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OM nucleic - nucleic search, using bw model

Run on: December 1, 2005, 15:55:47 ; Search time 787 Seconds
(without alignments)
5316.779 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506
Sequence: 1 caggagacacacaaaggaagc.....ggctcacacagatgcaac 506

Scoring table: IDENTITY NUC
Gap 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11068096

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications NA_Main.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	28.8	5.7	50	US-10-880-425A-36	Sequence 36, Appl
C 2	26	5.1	26	US-10-880-425A-40	Sequence 40, Appl
C 3	24.6	4.9	33	US-10-880-425A-35	Sequence 35, Appl
C 4	23	4.5	23	US-10-880-425A-38	Sequence 38, Appl
C 5	22.6	4.5	47	US-10-294-934-711	Sequence 711, Appl
C 6	21	4.2	40	US-10-469-851-190	Sequence 190, Appl
C 7	21	4.2	40	US-10-349-143-66	Sequence 66, Appl
C 8	20.6	4.1	31	US-10-880-425A-32	Sequence 32, Appl
C 9	20.6	4.1	40	US-10-469-851-189	Sequence 189, Appl
C 10	20.6	4.1	50	US-10-131-827-7842	Sequence 7842, Appl
C 11	20.2	4.0	40	US-10-027-632-176733	Sequence 176733, Appl
C 12	20.2	4.0	40	US-10-027-632-176733	Sequence 176733, Appl
C 13	20.2	4.0	48	US-10-143-997-6	Sequence 6, Appl
C 14	20	4.0	20	US-10-880-425A-3	Sequence 3, Appl
C 15	20	4.0	20	US-10-880-425A-45	Sequence 45, Appl
C 16	19.8	3.9	41	US-10-167-634-127	Sequence 127, Appl
C 17	19.8	3.9	47	US-10-349-143-337	Sequence 337, Appl
C 18	19.8	3.9	50	US-10-131-827-7174	Sequence 7174, Appl
C 19	19.6	3.9	47	US-10-349-143-3643	Sequence 3643, Appl
C 20	19.4	3.8	50	US-09-748-463-33	Sequence 33, Appl
C 21	19.4	3.8	50	US-10-131-827-5392	Sequence 5392, Appl
C 22	19.4	3.8	50	US-10-847-233A-28	Sequence 28, Appl
C 23	19.2	3.8	25	US-10-719-900-688427	Sequence 688427, Appl

C 24	19.2	3.8	25	8	US-10-719-900-688428	Sequence 688428, Appl
C 25	19.2	3.8	25	8	US-10-719-900-630481	Sequence 830481, Appl
C 26	19.2	3.8	25	9	US-10-809-189-121545	Sequence 121545, Appl
C 27	19.2	3.8	25	10	US-11-036-317-763515	Sequence 763515, Appl
C 28	19.2	3.8	25	6	US-10-131-827-1279	Sequence 1279, Appl
C 29	19	3.8	19	9	US-10-880-425A-4	Sequence 4, Appl
C 30	19	3.8	50	6	US-10-131-827-6233	Sequence 6233, Appl
C 31	19	3.8	50	6	US-10-131-827-6377	Sequence 6377, Appl
C 32	19	3.8	50	6	US-10-690-467-126	Sequence 126, Appl
C 33	18.8	3.7	25	7	US-10-681-773-92465	Sequence 92465, Appl
C 34	18.8	3.7	25	7	US-10-681-773-92465	Sequence 92465, Appl
C 35	18.8	3.7	25	8	US-10-719-900-970987	Sequence 970987, Appl
C 36	18.8	3.7	41	7	US-10-035-833A-1945	Sequence 1945, Appl
C 37	18.8	3.7	41	7	US-10-035-833A-4540	Sequence 4540, Appl
C 38	18.8	3.7	42	3	US-09-790-417-233	Sequence 233, Appl
C 39	18.8	3.7	42	3	US-09-790-417-235	Sequence 235, Appl
C 40	18.8	3.7	42	3	US-09-790-457-233	Sequence 233, Appl
C 41	18.8	3.7	42	3	US-09-790-457-235	Sequence 235, Appl
C 42	18.8	3.7	43	6	US-10-032-585-1827	Sequence 1827, Appl
C 43	18.8	3.7	47	6	US-10-349-143-657	Sequence 657, Appl
C 44	18.8	3.7	47	7	US-10-294-934-646	Sequence 646, Appl
C 45	18.8	3.7	50	5	US-10-011-931-74	Sequence 74, Appl

ALIGNMENTS

RESULT 1
US-10-880-425A-36/C
Sequence 36, Application US/10880425A
Publication No. US20050164223A1
GENERAL INFORMATION:
APPLICANT: Schalken, Jack A.
APPLICANT: Heesels, Daphne
APPLICANT: Verhaegh, Gerald
TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
FILE REFERENCE: 1619, 0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880, 425A
CURRENT FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO 36
LENGTH: 50
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36
Query Match 5.7%; Score 28.8; DB 9; Length 50;
Best Local Similarity 93.8%; Pred. No. 85;
Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Db 279 CCATCTGGGTCATCGATGAGCCTGGCCCTGT 310
50 CCATCTGGGTCATCGATGAGCCTCTCCCTAT 19
RESULT 2
US-10-880-425A-40/C
Sequence 40, Application US/10880425A
Publication No. US20050164223A1
GENERAL INFORMATION:
APPLICANT: Schalken, Jack A.
APPLICANT: Heesels, Daphne
APPLICANT: Verhaegh, Gerald
TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
FILE REFERENCE: 1619, 0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880, 425A
CURRENT FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO 36
LENGTH: 50
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

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/ FILE REFERENCE: 1619.0190000/JAG/CMB
/ CURRENT APPLICATION NUMBER: US/10/880,425A
/ CURRENT FILING DATE: 2004-06-30
/ PRIOR APPLICATION NUMBER: CA 2,432,365
/ PRIOR FILING DATE: 2003-06-30
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: Patentin version 3.2
/ SEQ ID NO: 40
/ LENGTH: 26
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match
Best Local Similarity 100.0%; Score 26; DB 9; Length 26;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 362 CTTAAAGATGGCAGAAACAGAT 387
DB 26 CTTAAAGATGGCAGAAACAGAT 1

RESULT 3
US-10-880-425A-35
/ Sequence 35, Application US/10880425A
/ Publication No. US20050164223A1
/ GENERAL INFORMATION:
/ APPLICANT: Schalken, Jack A.
/ APPLICANT: Smit, Frank
/ APPLICANT: Hesseels, Daphne
/ APPLICANT: Verhaegh, Gerald
/ TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
/ FILE REFERENCE: 1619.0190000/JAG/CMB
/ CURRENT APPLICATION NUMBER: US/10/880,425A
/ CURRENT FILING DATE: 2004-06-30
/ PRIOR APPLICATION NUMBER: CA 2,432,365
/ PRIOR FILING DATE: 2003-06-30
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: Patentin version 3.2
/ SEQ ID NO: 35
/ LENGTH: 33
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Construct
US-10-880-425A-35

Query Match
Best Local Similarity 87.1%; Score 24.6; DB 9; Length 33;
Matches 27; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 3 GGAAGCACAAGGAAGCAGAGTAGTG 33
DB 1 GGAAGCACAAGGAAGCAGAGTAGTG 31

RESULT 4
US-10-880-425A-38/C
/ Sequence 38, Application US/10880425A
/ Publication No. US20050164223A1
/ GENERAL INFORMATION:
/ APPLICANT: Schalken, Jack A.
/ APPLICANT: Smit, Frank
/ APPLICANT: Hesseels, Daphne
/ APPLICANT: Verhaegh, Gerald
/ TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
/ FILE REFERENCE: 1619.0190000/JAG/CMB
/ CURRENT APPLICATION NUMBER: US/10/880,425A
/ CURRENT FILING DATE: 2004-06-30
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/ PRIOR APPLICATION NUMBER: CA 2,432,365
/ PRIOR FILING DATE: 2003-06-30
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: Patentin version 3.2
/ SEQ ID NO: 38
/ LENGTH: 23
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Construct
US-10-880-425A-38

Query Match
Best Local Similarity 100.0%; Score 23; DB 9; Length 23;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 279 CCATCTGGTCATGATGAGCC 301
DB 23 CCATCTGGTCATGATGAGCC 1

RESULT 5
US-10-294-934-711
/ Sequence 711, Application US/10294934
/ Publication No. US20040038231A1
/ GENERAL INFORMATION:
/ APPLICANT: Blumenfeld, Marla
/ APPLICANT: Chumakov, Ilya
/ APPLICANT: Bougueleret, Lydie
/ APPLICANT: Cohen, Amick
/ TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
/ FILE REFERENCE: 62.USA.DIV
/ CURRENT APPLICATION NUMBER: US/10/294,934
/ CURRENT FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: US 09/671,317
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: US 09/536,178
/ PRIOR FILING DATE: 2000-03-23
/ PRIOR APPLICATION NUMBER: PCT/IB00/00403
/ PRIOR FILING DATE: 2000-03-24
/ PRIOR APPLICATION NUMBER: US 60/126,269
/ PRIOR FILING DATE: 1999-03-25
/ PRIOR APPLICATION NUMBER: US 60/131,961
/ PRIOR FILING DATE: 1999-04-30
/ NUMBER OF SEQ ID NOS: 977
/ SOFTWARE: Patent.pm
/ SEQ ID NO: 711
/ LENGTH: 47
/ TYPE: DNA
/ ORGANISM: Homo Sapiens
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 24
/ OTHER INFORMATION: 12-504-428 : polymorphic base G or C
US-10-294-934-711

Query Match
Best Local Similarity 75.7%; Score 22.6; DB 7; Length 47;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

OY 62 AATTTTGTAGTGGCTTAAGTCTCTACTGCTTCT 98
DB 3 AAGTTTAGATGGCCCTTAGTGTCTCCAGAGATTCT 39

RESULT 6
US-10-469-851-190/C
/ Sequence 190, Application US/10469851
/ Publication No. US20040219677A1
/ GENERAL INFORMATION:
/ APPLICANT: CAYLA
/ TITLE OF INVENTION: SYNTHETIC GENES AND BACTERIAL PLASMIDS DEVOID OF Cpg
/ FILE REFERENCE: FP - D. 0200862
```

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; CURRENT APPLICATION NUMBER: US/10/469,851
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: FR01/03274
; PRIOR FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 360
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 190
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: assembling oligo for Cpg-free lacZ
US-10-469-851-190

Query Match      4.2%; Score 21; DB 8; Length 40;
Best Local Similarity 73.0%; Pred. No. 2.6e+04;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy      257 CCTGGGAGAAATGCCCGCCCATCTTGGGTATC 293
Db      40 CTCTCTCAGACATGCGACGACGCCACTGGGGTCTATC 4

RESULT 7
US-10-349-143-66/c
; Sequence 66, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 66
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-12652-459 : polymorphic base A or G
US-10-349-143-66

Query Match      4.2%; Score 21; DB 6; Length 47;
Best Local Similarity 63.8%; Pred. No. 2.8e+04;
Matches 30; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

Qy      42 AGCACTAATTTCTACTCAGAAATTTTGATGCGCTTAAGTCTCT 88
Db      47 AGGCTCAGTTTCCACAGAGATTCTTTAAGGCGCTGTGAGTTCTCT 1

RESULT 8
US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smits, Frank
; APPLICANT: Heesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
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; TITLE OF INVENTION: and Kite therefor
; FILE REFERENCE: 1619.019000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

Query Match      4.1%; Score 20.6; DB 9; Length 31;
Best Local Similarity 85.2%; Pred. No. 3e+04;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      7 GCACAAAGAGAGACAGAGGTAAGTG 33
Db      1 GCACAAAGAGAGACAGAGATCCCTG 27

RESULT 9
US-10-469-851-189
; Sequence 189, Application US/10469851
; Publication No. US20040219677A1
; GENERAL INFORMATION:
; APPLICANT: CAYLA
; TITLE OF INVENTION: SYNTHETIC GENES AND BACTERIAL PLASMIDS DEVOID OF CPG
; FILE REFERENCE: FP - D. 0200862
; CURRENT APPLICATION NUMBER: US/10/469,851
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: FR01/03274
; PRIOR FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 360
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 189
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: assembling oligo for Cpg-free lacZ
US-10-469-851-189

Query Match      4.1%; Score 20.6; DB 8; Length 40;
Best Local Similarity 74.3%; Pred. No. 3.5e+04;
Matches 26; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy      278 GCCATCTTGGGTATCATGATGAGCCTCGCCCTGTGC 312
Db      2 GCCACTGGGGTCTATCTGTGAGCCTGTTCATGGGC 36

RESULT 10
US-10-131-827-7842/c
; Sequence 7842, Application US/10131827
; Publication No. US20040009479A1
; GENERAL INFORMATION:
; APPLICANT: Wohlgenuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131,827
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
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/ PRIOR FILING DATE: 2001-06-08
/ NUMBER OF SEQ ID NOS: 9090
/ SOFTWARE: Patentin version 3.1
/ SEQ ID NO: 7842
/ LENGTH: 50
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-131-827-7842

Query Match 4.1%; Score 20.6; DB 6; Length 50;
Best Local Similarity 67.4%; Pred. No. 3.9e+04;
Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 265 GAATGCGCGCGCCATCTTGATCGATGAGCGCCGCCC 307
Db 45 GAATGCGCGCGCCATCTTGATCGATGAGCGCCGCCC 3

RESULT 11
US-10-027-632-176733/c
/ Sequence 176733, Application US/10027632
/ Publication No. US20020196371A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ TITLE OF INVENTION: Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ PRIOR FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 176733
/ LENGTH: 40
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-176733

Query Match 4.0%; Score 20.2; DB 5; Length 40;
Best Local Similarity 75.8%; Pred. No. 4.7e+04;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 325 GTGAGGAGACATTAGAAAATGATGATGT 357
Db 34 GTGAGGAGAGAAAGTCGAAAATGATGATGT 2

Query Match 4.0%; Score 20.2; DB 5; Length 40;
Best Local Similarity 75.8%; Pred. No. 4.7e+04;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

RESULT 12
US-10-027-632-176733/c
/ Sequence 176733, Application US/10027632
/ Publication No. US20030204075A9
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ TITLE OF INVENTION: Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ PRIOR FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12

/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 176733
/ LENGTH: 40
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-176733

Query Match 4.0%; Score 20.2; DB 6; Length 40;
Best Local Similarity 75.8%; Pred. No. 4.7e+04;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 325 GTGAGGAGACATTAGAAAATGATGATGT 357
Db 34 GTGAGGAGAGAAAGTCGAAAATGATGATGT 2

RESULT 13
US-10-143-897-6
/ Sequence 6, Application US/10143897
/ Publication No. US20030171273A1
/ GENERAL INFORMATION:
/ APPLICANT: Berg, Patricia
/ TITLE OF INVENTION: No. US20030171273A1 Transcription Factor, BPI
/ FILE REFERENCE: 179.37405X00
/ CURRENT APPLICATION NUMBER: US/10/143,897
/ CURRENT FILING DATE: 2002-05-14
/ PRIOR APPLICATION NUMBER: US/09/636,735A
/ PRIOR FILING DATE: 2000-08-11
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO: 6
/ LENGTH: 48
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(48)
/ OTHER INFORMATION: synthesized oligonucleotide
US-10-143-897-6

Query Match 4.0%; Score 20.2; DB 6; Length 48;
Best Local Similarity 68.3%; Pred. No. 5.2e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 387 TCCTGTGTGATATTATTATGACGGGATTCAGATTGA 427
Db 2 TCTTTTATGATATTATTATTCATATATATATATATGA 42

RESULT 14
US-10-880-425A-3
/ Sequence 3, Application US/10880425A
/ Publication No. US20050164223A1
/ GENERAL INFORMATION:
/ APPLICANT: Schalken, Jack A.
/ APPLICANT: Smit, Frank
/ APPLICANT: Hesseels, Daphne
/ APPLICANT: Verhaegh, Gerald
/ TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
/ TITLE OF INVENTION: and Kite Therefor

FILE REFERENCE: 1619.0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880,425A
CURRENT FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 3
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-3

Query Match 4.0%; Score 20; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CAGGAGCACAAGGAAAGC 20
|||
Db 1 CAGGAGCACAAGGAAAGC 20

RESULT 15
US-10-880-425A-45/c
Sequence 45, Application US/10880425A
Publication No. US20050164223A1
GENERAL INFORMATION:
APPLICANT: Schalken, Jack A.
APPLICANT: Smit, Frank
APPLICANT: Heesels, Daphne
APPLICANT: Verhaegh, Gerald
TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
TITLE OF INVENTION: and Kits Therefor
FILE REFERENCE: 1619.0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880,425A
CURRENT FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 45
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-45

Query Match 4.0%; Score 20; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 487 GGCTTCACAGACATGCAC 506
|||
Db 20 GGCTTCACAGACATGCAC 1

Search completed: December 1, 2005, 18:06:42
Job time : 788 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using SW model

Run on: December 1, 2005, 15:59:44 / Search time 231 Seconds
(without alignments)
681.720 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506
Sequence: 1 cagaagacacacaaaggaagc.....ggcttcacacagacatgcacac 506

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 3289935 seqs, 15561003 residues

Total number of hits satisfying chosen parameters: 6446244

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA New:*

- 1: /cgn2_6/pdata/2/pubpna/US09_NEW_PUB.seq:*
- 2: /cgn2_6/pdata/2/pubpna/US06_NEW_PUB.seq:*
- 3: /cgn2_6/pdata/2/pubpna/US07_NEW_PUB.seq:*
- 4: /cgn2_6/pdata/2/pubpna/US08_NEW_PUB.seq:*
- 5: /cgn2_6/pdata/2/pubpna/PCT_NEW_PUB.seq:*
- 6: /cgn2_6/pdata/2/pubpna/US10_NEW_PUB.seq:*
- 7: /cgn2_6/pdata/2/pubpna/US11_NEW_PUB.seq:*
- 8: /cgn2_6/pdata/2/pubpna/US11_NEW_PUB.seq:*
- 9: /cgn2_6/pdata/2/pubpna/US11_NEW_PUB.seq:*
- 10: /cgn2_6/pdata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17.8	3.5	41	6	US-10-500-831-174 Sequence 174, Appl
2	17.6	3.5	24	6	US-10-750-185-12504 Sequence 12504, A
3	17.2	3.4	25	6	US-10-750-185-12949 Sequence 12949, A
4	16.8	3.3	39	6	US-10-209-208-67 Sequence 67, Appl
5	16.8	3.3	39	6	US-10-209-208-68 Sequence 68, Appl
6	16.6	3.3	31	6	US-10-926-709-12 Sequence 12, Appl
7	16.6	3.3	47	6	US-10-655-872-33 Sequence 33, Appl
8	16.6	3.3	48	7	US-11-084-711-23 Sequence 23, Appl
9	16.6	3.3	48	7	US-11-084-711-24 Sequence 24, Appl
10	16.4	3.2	19	8	US-11-101-244-170643 Sequence 170643, A
11	16.4	3.2	19	8	US-11-101-244-911726 Sequence 911726, A
12	16.4	3.2	19	8	US-11-101-244-1175664 Sequence 1175664, A
13	16.4	3.2	19	8	US-11-101-244-1458710 Sequence 1458710, A
14	16.4	3.2	19	8	US-11-083-784-170643 Sequence 170643, A
15	16.4	3.2	19	9	US-11-083-784-911726 Sequence 911726, A
16	16.4	3.2	19	9	US-11-083-784-1175664 Sequence 1175664, A
17	16.4	3.2	19	9	US-11-083-784-1458710 Sequence 1458710, A
18	16.4	3.2	28	6	US-10-750-185-14376 Sequence 14376, A
19	16	3.2	19	8	US-11-101-244-575937 Sequence 575937, A
20	16	3.2	19	8	US-11-083-784-575937 Sequence 575937, A
21	16	3.2	20	6	US-10-415-198A-79 Sequence 79, Appl
22	16	3.2	25	6	US-10-750-185-7371 Sequence 7371, Ap
23	16	3.2	45	6	US-10-845-413-171 Sequence 171, Appl

C 24	15.8	3.1	19	8	US-11-101-244-112884 Sequence 112884, A
C 25	15.8	3.1	19	8	US-11-101-244-170616 Sequence 170616, A
C 26	15.8	3.1	19	8	US-11-101-244-181355 Sequence 181355, A
C 27	15.8	3.1	19	8	US-11-101-244-307823 Sequence 307823, A
C 28	15.8	3.1	19	8	US-11-101-244-307921 Sequence 307921, A
C 29	15.8	3.1	19	8	US-11-101-244-342365 Sequence 342365, A
C 30	15.8	3.1	19	8	US-11-101-244-391068 Sequence 391068, A
C 31	15.8	3.1	19	8	US-11-101-244-449997 Sequence 449997, A
C 32	15.8	3.1	19	8	US-11-101-244-450085 Sequence 450085, A
C 33	15.8	3.1	19	8	US-11-101-244-450205 Sequence 450205, A
C 34	15.8	3.1	19	8	US-11-101-244-450294 Sequence 450294, A
C 35	15.8	3.1	19	8	US-11-101-244-450365 Sequence 450365, A
C 36	15.8	3.1	19	8	US-11-101-244-4521923 Sequence 4521923, A
C 37	15.8	3.1	19	8	US-11-101-244-841679 Sequence 841679, A
C 38	15.8	3.1	19	8	US-11-101-244-913204 Sequence 913204, A
C 39	15.8	3.1	19	8	US-11-101-244-1021099 Sequence 1021099, A
C 40	15.8	3.1	19	8	US-11-101-244-1305091 Sequence 1305091, A
C 41	15.8	3.1	19	8	US-11-101-244-1365501 Sequence 1365501, A
C 42	15.8	3.1	19	8	US-11-101-244-1453039 Sequence 1453039, A
C 43	15.8	3.1	19	8	US-11-101-244-1513182 Sequence 1513182, A
C 44	15.8	3.1	19	8	US-11-101-244-1537176 Sequence 1537176, A
C 45	15.8	3.1	19	9	US-11-083-784-112884 Sequence 112884, A

ALIGNMENTS

```

RESULT 1
US-10-500-831-174/C
; Sequence 174, Application US/10500831
; Publication No. US20050244813A1
; GENERAL INFORMATION:
; APPLICANT: Frank KARLSEN
; TITLE OF INVENTION: DETECTION OF HUMAN PAPILLOMAVIRUS E6 mRNA
; FILE REFERENCE: B0192, 70052US00
; CURRENT APPLICATION NUMBER: US/10/500, 831
; PRIOR FILING DATE: 2004-07-07
; PRIOR APPLICATION NUMBER: GB 0200258.2
; PRIOR FILING DATE: 2002-01-07
; PRIOR APPLICATION NUMBER: GB 0214124.0
; PRIOR FILING DATE: 2002-06-19
; NUMBER OF SEQ ID NOS: 387
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 174
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Human papillomavirus type 18
US-10-500-831-174

Query Match      3.5% Score 17.8; DB 6; Length 41;
Best Local Similarity 90.5%; Pred. No. 6.5e+03;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Cy      139 TTTCTATTCTTGGCTCGTAT 159
      ||||| ||||| ||||| |||||
Db      34 TTTCTATGCTTGCCTCATAT 14

RESULT 2
US-10-750-185-12504
; Sequence 12504, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750, 185

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/ CURRENT FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 12504
/ LENGTH: 24
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Reverse Primer
US-10-750-185-12504
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Query Match          3.5%; Score 17.6; DB 6; Length 24;
Best Local Similarity 83.3%; Pred. No. 5.4e+03;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      62 AAATTTTGATGGCCTTAAGTTCC 85
Db      1 AAATTTTCAATTTCTCAGTTCC 24
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RESULT 3
US-10-750-185-19249
/ Sequence 19249, Application US/10750185
/ Publication No. US20050260603A1
/ GENERAL INFORMATION:
/ APPLICANT: MMI GENOMICS, INC.
/ APPLICANT: DENISE, Sue K.
/ APPLICANT: KERR, Richard
/ APPLICANT: ROSENFELD, David
/ APPLICANT: HOLM, Tom
/ APPLICANT: BATES, Stephen
/ APPLICANT: PANTIN, Dennis
/ TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
/ FILE REFERENCE: MM1100-2
/ CURRENT APPLICATION NUMBER: US/10/750,185
/ PRIOR FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 19249
/ LENGTH: 25
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Forward Primer
US-10-750-185-19249
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Query Match          3.4%; Score 17.2; DB 6; Length 25;
Best Local Similarity 86.4%; Pred. No. 7.6e+03;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      355 TGTGTTCTTAAGATGGCA 376
Db      1 TGTGTTCTTAAGATGGCA 22
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```
RESULT 4
US-10-209-208-67/c
/ Sequence 67, Application US/10209208
/ Publication No. US20050244921A1
/ GENERAL INFORMATION:
/ APPLICANT: Tsien, Roger
/ APPLICANT: Campbell, Robert
/ APPLICANT: Geoffrey Baird
/ TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
/ FILE REFERENCE: UC083.1CP2CP2
/ CURRENT APPLICATION NUMBER: US/10/209,208
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR APPLICATION NUMBER: 10/121,258
```

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/ PRIOR FILING DATE: 2002-04-10
/ PRIOR APPLICATION NUMBER: 09/866,538
/ PRIOR FILING DATE: 2001-05-24
/ PRIOR APPLICATION NUMBER: 09/794,308
/ PRIOR FILING DATE: 2001-02-26
/ NUMBER OF SEQ ID NOS: 80
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 67
/ LENGTH: 39
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Mutagenic Primer
US-10-209-208-67
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Query Match          3.3%; Score 16.8; DB 6; Length 39;
Best Local Similarity 55.3%; Pred. No. 1.4e+04;
Matches 21; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

QY      292 TCGATGAGCCTCGCCCTGTGCTGTCGCCGTTGTGAG 329
Db      38 TCCTCAGCTTCAGCTYSMKCYTGATCTGCCCTTCAG 1
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RESULT 5
US-10-209-208-68
/ Sequence 68, Application US/10209208
/ Publication No. US20050244921A1
/ GENERAL INFORMATION:
/ APPLICANT: Tsien, Roger
/ APPLICANT: Campbell, Robert
/ APPLICANT: Geoffrey Baird
/ TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
/ FILE REFERENCE: UC083.1CP2CP2
/ CURRENT APPLICATION NUMBER: US/10/209,208
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR APPLICATION NUMBER: 10/121,258
/ PRIOR FILING DATE: 2002-04-10
/ PRIOR APPLICATION NUMBER: 09/866,538
/ PRIOR FILING DATE: 2001-05-24
/ PRIOR APPLICATION NUMBER: 09/794,308
/ PRIOR FILING DATE: 2001-02-26
/ NUMBER OF SEQ ID NOS: 80
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 68
/ LENGTH: 39
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Mutagenic Primer
US-10-209-208-68
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Query Match          3.3%; Score 16.8; DB 6; Length 39;
Best Local Similarity 55.3%; Pred. No. 1.4e+04;
Matches 21; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

QY      292 TCGATGAGCCTCGCCCTGTGCTGTCGCCGTTGTGAG 329
Db      2 TCCTCAGCTTCAGCTYSMKCYTGATCTGCCCTTCAG 39
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RESULT 6
US-10-926-709-12
/ Sequence 12, Application US/10926709
/ Publication No. US20050250181A1
/ GENERAL INFORMATION:
/ APPLICANT: Schröder, Glad, Same O.
/ APPLICANT: Andersen, Carsten
/ APPLICANT: Schultein, Martin
/ APPLICANT: Frandsen, Torben P.
/ TITLE OF INVENTION: CELL-WALL DEGRADING ENZYME VARIANTS
/ FILE REFERENCE: 10044.200-US
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/ CURRENT APPLICATION NUMBER: US/10/926,709
 / CURRENT FILING DATE: 2004-08-26
 / PRIOR APPLICATION NUMBER: US/09/910,505
 / PRIOR FILING DATE: 2001-07-19
 / NUMBER OF SEQ ID NOS: 27
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO 12
 / LENGTH: 31
 / TYPE: DNA
 / ORGANISM: Artificial Sequence
 / FEATURE:
 / OTHER INFORMATION: Primer
 US-10-926-709-12

Query Match 3.3%; Score 16.6; DB 6; Length 31;
 Best Local Similarity 71.0%; Pred. No. 1.4e+04;
 Matches 22; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 54 CTACCTCAGAAATTTTGATGCGCTTAAGTTC 84
 Db 1 CTACACCGATATATAGATGTTTAAATTTC 31

RESULT 7
 US-10-655-872-33/C
 / Sequence 33, Application US/10655872
 / Publication No. US20050251872A1
 / GENERAL INFORMATION:
 / APPLICANT: Bear, et al.
 / TITLE OF INVENTION: Lentiviral Vectors, Related Reagents, and Methods of Use Thereof
 / FILE REFERENCE: 0492611-0512
 / CURRENT APPLICATION NUMBER: US/10/655,872
 / CURRENT FILING DATE: 2003-09-05
 / NUMBER OF SEQ ID NOS: 39
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO 33
 / LENGTH: 47
 / TYPE: DNA
 / ORGANISM: Artificial
 / FEATURE:
 / OTHER INFORMATION: Primer
 US-10-655-872-33

Query Match 3.3%; Score 16.6; DB 6; Length 47;
 Best Local Similarity 64.1%; Pred. No. 1.8e+04;
 Matches 25; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 241 CTCGACTTCACAGATCCCTGGAGAAATGCCGCGCCG 279
 Db 47 CTATACGTTATTTAGGTCCCTCGACGAATTCGGCGCCG 9

RESULT 8
 US-11-084-711-23/C
 / Sequence 23, Application US/11084711
 / Publication No. US20050260223A1
 / GENERAL INFORMATION:
 / APPLICANT: Lowery, David
 / APPLICANT: Kennedy, Michael J
 / TITLE OF INVENTION: Salmonella Vaccine Materials and Methods
 / FILE REFERENCE: 28341/6114.N
 / CURRENT APPLICATION NUMBER: US/11/084,711
 / CURRENT FILING DATE: 2005-03-18
 / PRIOR APPLICATION NUMBER: US/09/809,524
 / PRIOR FILING DATE: 2001-09-17
 / PRIOR APPLICATION NUMBER: 60/190,178
 / PRIOR FILING DATE: 2000-03-17
 / NUMBER OF SEQ ID NOS: 30
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 23
 / LENGTH: 48
 / TYPE: DNA
 / ORGANISM: Artificial Sequence

/ FEATURE:
 / OTHER INFORMATION: Description of Artificial Sequence: primer
 US-11-084-711-23

Query Match 3.3%; Score 16.6; DB 7; Length 48;
 Best Local Similarity 64.1%; Pred. No. 1.9e+04;
 Matches 25; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 42 AGCACTCAATTTCTACTCAGAAATTTTGATGCGCTTAA 80
 Db 46 AGACTCAATCACTTATCAACAATCATATATAGCTATTA 8

RESULT 9
 US-11-084-711-24
 / Sequence 24, Application US/11084711
 / Publication No. US20050260223A1
 / GENERAL INFORMATION:
 / APPLICANT: Lowery, David
 / APPLICANT: Kennedy, Michael J
 / TITLE OF INVENTION: Salmonella Vaccine Materials and Methods
 / FILE REFERENCE: 28341/6114.N
 / CURRENT APPLICATION NUMBER: US/11/084,711
 / CURRENT FILING DATE: 2005-03-18
 / PRIOR APPLICATION NUMBER: US/09/809,524
 / PRIOR FILING DATE: 2001-09-17
 / PRIOR APPLICATION NUMBER: 60/190,178
 / PRIOR FILING DATE: 2000-03-17
 / NUMBER OF SEQ ID NOS: 30
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 24
 / LENGTH: 48
 / TYPE: DNA
 / ORGANISM: Artificial Sequence
 / FEATURE:
 / OTHER INFORMATION: Description of Artificial Sequence: primer
 US-11-084-711-24

Query Match 3.3%; Score 16.6; DB 7; Length 48;
 Best Local Similarity 64.1%; Pred. No. 1.9e+04;
 Matches 25; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 42 AGCACTCAATTTCTACTCAGAAATTTTGATGCGCTTAA 80
 Db 3 AGACTCAATCACTTATCAACAATCATATATAGCTATTA 41

RESULT 10
 US-11-101-244-170643/C
 / Sequence 170643, Application US/11101244
 / Publication No. US20050246794A1
 / GENERAL INFORMATION:
 / APPLICANT: Dharmoon, Inc.
 / APPLICANT: Khvorovaya, Anastasia
 / APPLICANT: Reynolds, Angela
 / APPLICANT: Leake, Devin
 / APPLICANT: Marshall, William
 / APPLICANT: Scaringe, Stephen
 / TITLE OF INVENTION: Functional and Hyperfunctional siRNA
 / FILE REFERENCE: 13499US
 / CURRENT APPLICATION NUMBER: US/11/101,244
 / CURRENT FILING DATE: 2005-04-07
 / PRIOR APPLICATION NUMBER: 60/502,050
 / PRIOR FILING DATE: 2003-09-10
 / PRIOR APPLICATION NUMBER: 60/426,137
 / PRIOR FILING DATE: 2002-11-14
 / NUMBER OF SEQ ID NOS: 1591911
 / SOFTWARE: Proprietary
 / SEQ ID NO 170643
 / LENGTH: 19
 / TYPE: RNA
 / ORGANISM: Homo sapiens
 US-11-101-244-170643

Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 94.4%; Pred. No. 1.2e+04;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 103 TTCTCTCCTCCTCTCCTC 120
|||||
DB 19 TTCTCTCCTCCTCCTCCTC 2

RESULT 11
US-11-101-244-911726

/ Sequence 911726, Application US/11101244
/ Publication No. US20050246794A1

/ GENERAL INFORMATION:

/ APPLICANT: Dharmacon, Inc.

/ APPLICANT: Khvorova, Anastasia

/ APPLICANT: Reynolds, Angela

/ APPLICANT: Leake, Devin

/ APPLICANT: Marshall, William

/ APPLICANT: Scaringe, Stephen

/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA

/ FILE REFERENCE: 13499US

/ CURRENT APPLICATION NUMBER: US/11/101,244

/ PRIOR FILING DATE: 2005-04-07

/ PRIOR APPLICATION NUMBER: 60/502,050

/ PRIOR FILING DATE: 2003-09-10

/ PRIOR APPLICATION NUMBER: 60/426,137

/ PRIOR FILING DATE: 2002-11-14

/ NUMBER OF SEQ ID NOS: 1591911

/ SOFTWARE: Proprietary

/ SEQ ID NO 911726

/ LENGTH: 19

/ TYPE: RNA

/ ORGANISM: Homo sapiens

US-11-101-244-911726

Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.2e+04;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 463 GAAACAGACGAGAAAT 480
|||||
DB 1 GAAACAGACGAGAAAU 18

RESULT 12

US-11-101-244-1175664

/ Sequence 1175664, Application US/11101244

/ Publication No. US20050246794A1

/ GENERAL INFORMATION:

/ APPLICANT: Dharmacon, Inc.

/ APPLICANT: Khvorova, Anastasia

/ APPLICANT: Reynolds, Angela

/ APPLICANT: Leake, Devin

/ APPLICANT: Marshall, William

/ APPLICANT: Scaringe, Stephen

/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA

/ FILE REFERENCE: 13499US

/ CURRENT APPLICATION NUMBER: US/11/101,244

/ PRIOR FILING DATE: 2005-04-07

/ PRIOR APPLICATION NUMBER: 60/502,050

/ PRIOR FILING DATE: 2003-09-10

/ PRIOR APPLICATION NUMBER: 60/426,137

/ PRIOR FILING DATE: 2002-11-14

/ NUMBER OF SEQ ID NOS: 1591911

/ SOFTWARE: Proprietary

/ SEQ ID NO 1175664

/ LENGTH: 19

/ TYPE: RNA

/ ORGANISM: Homo sapiens

US-11-101-244-1175664

Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 94.4%; Pred. No. 1.2e+04;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 461 AGGAAACAGACGAGAAA 478
|||||
DB 2 AGGAAACAGACGAGAAA 19

RESULT 13

US-11-101-244-1458710

/ Sequence 1458710, Application US/11101244

/ Publication No. US20050246794A1

/ GENERAL INFORMATION:

/ APPLICANT: Dharmacon, Inc.

/ APPLICANT: Khvorova, Anastasia

/ APPLICANT: Reynolds, Angela

/ APPLICANT: Leake, Devin

/ APPLICANT: Marshall, William

/ APPLICANT: Scaringe, Stephen

/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA

/ FILE REFERENCE: 13499US

/ CURRENT APPLICATION NUMBER: US/11/101,244

/ PRIOR FILING DATE: 2005-04-07

/ PRIOR APPLICATION NUMBER: 60/502,050

/ PRIOR FILING DATE: 2003-09-10

/ PRIOR APPLICATION NUMBER: 60/426,137

/ PRIOR FILING DATE: 2002-11-14

/ NUMBER OF SEQ ID NOS: 1591911

/ SOFTWARE: Proprietary

/ SEQ ID NO 1458710

/ LENGTH: 19

/ TYPE: RNA

/ ORGANISM: Homo sapiens

US-11-101-244-1458710

Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.2e+04;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 250 CACAGATCCCTGGAGAA 267
|||||
DB 2 CACAGATCCCTGGAGAA 19

RESULT 14

US-11-083-784-170643/C

/ Sequence 170643, Application US/11083784

/ Publication No. US20050245475A1

/ GENERAL INFORMATION:

/ APPLICANT: Dharmacon, Inc.

/ APPLICANT: Khvorova, Anastasia

/ APPLICANT: Reynolds, Angela

/ APPLICANT: Leake, Devin

/ APPLICANT: Marshall, William

/ APPLICANT: Scaringe, Stephen

/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA

/ FILE REFERENCE: 13499US

/ CURRENT APPLICATION NUMBER: US/11/083,784

/ PRIOR FILING DATE: 2005-03-18

/ PRIOR APPLICATION NUMBER: US/10/714,333

/ PRIOR FILING DATE: 2003-11-14

/ PRIOR APPLICATION NUMBER: 60/502,050

/ PRIOR FILING DATE: 2003-09-10

/ PRIOR APPLICATION NUMBER: 60/426,137

/ PRIOR FILING DATE: 2002-11-14

/ NUMBER OF SEQ ID NOS: 1591911

/ SOFTWARE: Proprietary

/ SEQ ID NO 170643

/ LENGTH: 19

/ TYPE: RNA

/ ORGANISM: Homo sapiens

US-11-083-784-170643

Query Match 3.2%; Score 16.4; DB 9; Length 19;
Best Local Similarity 94.4%; Pred. No. 1.2e+04;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 103 TTCTCTCTCAGTCGTCCTC 120
|||||
DB 19 TTCTCTCTCAGTCGTCCTC 2

RESULT 15

US-11-083-784-911726
; Sequence 911726, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Pharmecon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 911726
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-911726

Query Match 3.2%; Score 16.4; DB 9; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.2e+04;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 463 GAAACAGACGAGAAAT 480
|||||
DB 1 GAAAUAGACGAGAAAU 18

Search completed: December 1, 2005, 18:10:44
Job time : 232 secs


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; Sequence 55, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 55
; LENGTH: 193789
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-55

```

```

Query Match
Best Local Similarity 7.1%; Score 36; DB 7; Length 193789;
Pred. No. 0.76;
Matches 90; Conservative 0; Mismatches 90; Indels 0; Gaps 0;

```

```

QY 91 TCGTTTCTATCTCTCTACTGATGCTCCCGGAATCCAGTCTGGATTTCTTCT 150
DB 165878 TCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 165819
QY 151 GCCTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 210
DB 165818 CTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 165759
QY 211 CGGGCTACCTCGCTCCCTCATATTGCTCCACTTTCACAGATCCCTGGAGAAAG 270
DB 165758 CTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 165699

```

```

RESULT 3
US-10-821-234-804
; Sequence 804, Application US/10821234
; Publication No. US2005025511A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stachne-Crain, Birgit
; APPLICANT: Andarmanl, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 804
; LENGTH: 1739
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-804

```

```

Query Match
Best Local Similarity 6.9%; Score 34.8; DB 6; Length 1739;
Pred. No. 0.1;
Matches 111; Conservative 0; Mismatches 127; Indels 0; Gaps 0;
QY 102 CTTCTACTGCTGCTCTCCGGAATCCACTAGGATTTCTATTTCTGCTGATTTG 161
DB 1252 CTGCTGCTCTATCCAGCCCTTACCCCTCTGCTGCTCTCTCTCTCTCTCTCT 1311

```

```

QY 162 TCTGACTGCTCCTTGATTTATCTCAAGAGTCTGATTTTCTACCCGGGCTACCT 221
DB 1312 TCTGCTGCCCCCAGACTGAGCTCCCTCGGGGCTCTCCCTGCTGAC 1371
QY 222 CGTCCCTCCATATTGCTCCACTTTCAGAGATCCCTGGAGAAATCCCGGCGCA 281
DB 1372 CCTGTCTCCGGGCTCTTACCATCAAGCCCTGACCTTCTCTAGGTACTGTGGA 1431
QY 282 TCTTGGCTCATGATGAGCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 339
DB 1432 GTGGGCTGTCTCTTCCACCTTCCACCTGAGACTGTGAGCTCATGAGGTGGGCT 1489

```

```

RESULT 4
US-10-750-185-27542/c
; Sequence 27542, Application US/10750185
; Publication No. US2005026063A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27542
; LENGTH: 2087
; TYPE: DNA
; ORGANISM: Bovine
US-10-750-185-27542

```

```

Query Match
Best Local Similarity 6.6%; Score 33.4; DB 6; Length 2087;
Pred. No. 0.34;
Matches 58; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

```

```

QY 56 ACTCAGAAATTTTGAATGCTTAAGTCTTACTCTCTCTCTCTCTCTCTCTCTCT 115
DB 1707 AGCTCGATTTTGTGTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1648
QY 116 TCTCCCGGAATCCACTACCGATTTTCTATTTCTTGGCT 154
DB 1647 TCTTCTTATTTGACTCTTCACTTTTGAATGACTTGAT 1609

```

```

RESULT 5
US-11-112-908-39
; Sequence 39, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3

```

```

; SEQ ID NO 39
; LENGTH: 179892
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-39

```

Query Match	6.3%;	Score 32;	DB 7;	Length 179892;
Best Local Similarity	49.4%;	Pred. No. 17;		
Matches	83;	Conservative	0;	Mismatches 85; Indels 0; Gaps 0

[illegible][illegible]

Qy 185 TCCTACGGAGTCTGGATTTTTCACCCGGGTCACCCTCGCCTCCA 232
Db 88703 CTCCTTTCTTTCTTTTTTTTCCAGAGTCTCACTCTGTGCGCCA 88750

```

RESULT 6
US-10-750-185-51094/C
Sequence 51094, Application US/10750185
Publication No. US20050260603A1
GENERAL INFORMATION:
APPLICANT: MMI GENOMICS, INC.
APPLICANT: DENISE, Sue K.
APPLICANT: KERR, Richard
APPLICANT: ROSENFELD, David
APPLICANT: HOLM, Tom
APPLICANT: BATES, Stephen
APPLICANT: FANTIN, Dennis
TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
FILE REFERENCE: MM1100-2
CURRENT APPLICATION NUMBER: US/10/750,185
CURRENT FILING DATE: 2003-12-31
PRIOR APPLICATION NUMBER: US 60/437,482
PRIOR FILING DATE: 2002-12-31
NUMBER OF SEQ ID NOS: 64922
SOFTWARE: PatentIn version 3.1
SEQ ID NO 51094
LENGTH: 1076
TYPE: DNA
ORGANISM: Bovine
US-10-750-185-51094 19866880658375

```

	Query Match	Best Local Similarity	Score	31.8	DB	6	Length	1076
Matches	78	Conservative	0	Mismatches	77	Indels	0	Gaps
QY	52	TTTACTCAGAAATTTTGATGGCCTTAAGTTCCTCTACTGCTTCTATCTCTCTACTC	111					
Db	713	TTCAAAATTTGAAATTTTCATGTCCTCAATCTTCAAGATTCAGACGCTCTTTCCTGCTTA	654					
QY	112	ACTGTCTCCCGGAATTCACATACCGAATTTCTATTTCTTGCTCGATGTGCTGACTGGC	171					
Db	653	AATCTGTACTGGAATCCCTCTGTAATATTTTTCATTTTCAGTTATGTAAATTTTCAGTTC	594					
QY	172	TCACCTGGATTTATCCTCAGGAGTCTGGATTTTC	206					
Db	593	AGAAATTTCTTTATCTTTAGGTTTTCTCTTTTTC	559					

RESULT 7
US-10-750-185-52118/c
Sequence 52118, Application US/10750185A
Publication No. US2005026063A1
GENERAL INFORMATION:
APPLICANT: MMI GENOMICS, INC.
APPLICANT: DENISE, Sue K.

```

APPLICANT: KERR, Richard
APPLICANT: ROSENFELD, David
APPLICANT: HOLM, Tom
APPLICANT: BATES, Stephen
APPLICANT: FAVIN, Dennis
TITLE OF INVENTION: COMPOSITIONS FOR IMPROVING BOVINE TRAITS
FILE REFERENCE: MM1100-2
CURRENT APPLICATION NUMBER: US/10/750,185
CURRENT FILING DATE: 2003-12-31
PRIORITY APPLICATION NUMBER: US 60/437,482
PRIORITY FILING DATE: 2002-12-31
NUMBER OF SEQ ID NOS: 64922
SOFTWARE: PatentIn version 3.1
SEQ ID NO 52118
LENGTH: 1536
TYPE: DNA
ORGANISM: Bovine
US-10-750-185-52118

Query Match: 6.3%; Score 31.8; DB 6; Length 1536;
Best Local Similarity 51.0%; Pred. No. 0.99;
Matches 75; Conservative 0; Mismatches 72; Indels 0; Gaps 0.

```

QY	340	TAGAAATGAATTGATGTGTGTTCTTTAAAGATGGCAGGAAAACACATCTCTGTGGAT	359
Db	424	TAGAGAGAGGCAACATTATGCCAAAGATGAACATGACACCAATTAACCCCTGTCT	365
QY	400	ATTATTTGAACGGGATTACAGATTTGAATTAAGTCACCAAGTAGCATTCCCATGA	459
Db	364	GTCGTCTCAGCATTCACCTTTTATGTGCACATATAAAGAGGAGTCCAAAGTA	305
QY	460	GAGGAAAACAGACGAAAAATCTTGAT	486
Db	304	CAGCAGAGTAATAGAGCCTATCTTAAT	278

```

RESULT 8
US-10-750-185-25953
; Sequence 25953, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FATTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: PM1100-2
; CURRENT APPLICATION NUMBER: US/10/750.185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25953
; LENGTH: 1744
; TYPE: DNA
; ORGANISM: Bovine 19866880671549
US-10-750-185-25953

```

	Query Match	5.3%	Score 31.8;	DB 6;	Length 1744;
	Best Local Similarity	51.0%	Pred. No. 1.1;		
	Matches	75;	Conservative	0;	Indels 72; Gaps 0;
QY	21 ACAGAGGAAGTGTATTATAAGACATCAATTCTACTCAGAAATTTTGATGGCCTTAA	80			
DB	1248 ACACCATTTCAGATAAATAATAAGAACCAATTGATGCAAAAGGATATTTCTACCTTGA	1307			
QY	81 GTTCCCTACACGTTTCATCCTCCACTACTGTCCTCCGGAATCCATACGAGATT	140			
DB	1308 ATATCTGTGATCCCTTTCTCTCTTTCAAACTCCACCCCAACCCCACTGCACCTTGGGC	136			

```

OY      141 TCTATTCTTGCCTCGATTGCTGAC 167
          | | | | | | | | | |
Db      1368 CCACTCACTTGCCTATCACTCTCTGC 1394

```

```

RESULT 9
US-10-750-185-59056
Sequence 59056, Application US/10750185
Publication No. US20050260603A1
GENERAL INFORMATION:
APPLICANT: MMI GENOMICS, INC.
APPLICANT: DENISE, Sue K.
APPLICANT: KERR, Richard
APPLICANT: ROSENFELD, David
APPLICANT: HOLM, Tom
APPLICANT: BATES, Stephen
APPLICANT: FANTIN, Dennis
TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
FILE REFERENCE: MM1100-2
CURRENT APPLICATION NUMBER: US/10/750,185
CURRENT FILING DATE: 2003-12-31
PRIOR APPLICATION NUMBER: US 60/437,482
PRIOR FILING DATE: 2002-12-31
NUMBER OF SEQ ID NOS: 64922
SOFTWARE: PatentIn version 3.1
SEQ ID NO 59056
LENGTH: 2497
TYPE: DNA
ORGANISM: Bovine
US-10-750-185-59056
19866680632536

```

Query Match	6.2%	Score 31.6;	DB 6;	Length 2497;
Best Local Similarity	60.5%;	Pred. NO. 1.6;		
Matches	52;	Conservative	0;	Mismatches 34; Indels 0; Gaps 0;

Oy	10	CAAAAGSAGCAGAGGTAGTGGTTATATAAGACATCAATTTCTACTAGAAATTTT	69
Db	1887	CAGAGAGGCACTCCAAATTATTCATGGGAGACACATTAACACCCGAAATTTA	1946
Oy	70	GATGGCTTAAGTCTCTACTCGTT	95
Db	1947	TTTGCTCTGAAGATGCTTTTCTATT	1972

```

RESULT 10
US-11-112-908-29/c
Sequence 29, Application US/11112908
Publication No. US20050260659a1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22/11,908
PRIORITY APPLICATION NUMBER: US 60/564,758
PRIORITY FILING DATE: 2004-04-23
PRIORITY APPLICATION NUMBER: US 60/575,978
PRIORITY FILING DATE: 2004-06-01
PRIORITY APPLICATION NUMBER: US 60/631,702
PRIORITY FILING DATE: 2004-11-30
PRIORITY APPLICATION NUMBER: US 60/633,826
PRIORITY FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 29
LENGTH: 131855
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-29

```

[illegible]

```

RESULT 11
US-11-112-908-30/C
Sequence 30. Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIORITY APPLICATION NUMBER: US 60/564,758
PRIORITY FILING DATE: 2004-04-23
PRIORITY APPLICATION NUMBER: US 60/575,978
PRIORITY FILING DATE: 2004-06-01
PRIORITY APPLICATION NUMBER: US 60/631,702
PRIORITY FILING DATE: 2004-11-30
PRIORITY APPLICATION NUMBER: US 60/633,826
PRIORITY FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 30
LENGTH: 143369
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-30

```

	Query Match	Similarity	6.2%	Score 31.6;	DB 7;	Length 143389;
	Beech Local	Conservative	53.7%	Pred. No. 20;	Mismatches 0;	Indels 1; Gaps 1;
Oy	82	TTCCTCACTCGTTTCCATCCTTCTACTACACAGTGCCTCCGGAAATCACATAAGATT	141			
Dd	91524	TTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT	91465			
Oy	142	CATATTCTTGCCCTGATGTGTGAAGTCTACTGTGAATTATCTCTACGAGTGTGGA	201			
Dd	91464	CGTAGCTTGACCTTGT-CATGACCTGACCTGACCTGACCTTCTTCTTCTTCTTCTT	91406			
Oy	202	TTTTCTACCGGGGCTACCCTGCCCTCATATTGTCTCTC	243			
Dd	91405	CTTTCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT	91364			

RESULT 12
US-11-112-908-24/c
Sequence 24, Application US/11112908
Publication No. US20050260559A1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112, 908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564, 758
PRIOR FILING DATE: 2004-04-23

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/ PRIOR APPLICATION NUMBER: US 60/575,978
/ PRIOR FILING DATE: 2004-06-01
/ PRIOR APPLICATION NUMBER: US 60/631,702
/ PRIOR FILING DATE: 2004-11-30
/ PRIOR APPLICATION NUMBER: US 60/633,826
/ PRIOR FILING DATE: 2004-12-07
/ NUMBER OF SEQ ID NOS: 511
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 24
/ LENGTH: 150314
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-112-908-24
```

```
Query Match      6.2%; Score 31.6; DB 7; Length 150314;
Best Local Similarity 53.7%; Pred. No. 21;
Matches 87; Conservative 0; Mismatches 74; Indels 1; Gaps 1;
```

```
QY 82 TTCCTTACTCGTTTCTATCTCTCTACTGCTGCTCCCGAATCCACTACGATTTT 141
DB 5991 TTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTG 5932
QY 142 CTAATTTCTGCGGCGGATGTCTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 201
DB 5931 CTTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 5873
QY 202 TTTTCTACCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 243
DB 5872 CTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 5831
```

```
RESULT 13
US-11-112-908-28/c
/ Sequence 28, Application US/11112908
/ Publication No. US20050260659A1
/ GENERAL INFORMATION:
/ APPLICANT: Harris, Cole
/ APPLICANT: Davis, Lisa M.
/ TITLE OF INVENTION: Breast Cancer Biomarkers
/ FILE REFERENCE: 04-164-US
/ CURRENT APPLICATION NUMBER: US/11/112,908
/ CURRENT FILING DATE: 2005-04-22
/ PRIOR APPLICATION NUMBER: US 60/564,758
/ PRIOR FILING DATE: 2004-04-23
/ PRIOR APPLICATION NUMBER: US 60/575,978
/ PRIOR FILING DATE: 2004-06-01
/ PRIOR APPLICATION NUMBER: US 60/631,702
/ PRIOR FILING DATE: 2004-11-30
/ PRIOR APPLICATION NUMBER: US 60/633,826
/ PRIOR FILING DATE: 2004-12-07
/ NUMBER OF SEQ ID NOS: 511
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 28
/ LENGTH: 166020
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-112-908-28
```

```
Query Match      6.2%; Score 31.6; DB 7; Length 166020;
Best Local Similarity 53.7%; Pred. No. 22;
Matches 87; Conservative 0; Mismatches 74; Indels 1; Gaps 1;
```

```
QY 82 TTCCTTACTCGTTTCTATCTCTCTACTGCTGCTCCCGAATCCACTACGATTTT 141
DB 138005 TTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTG 137946
QY 142 CTAATTTCTGCGGCGGATGTCTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 201
DB 137945 CTTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 137887
QY 202 TTTTCTACCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 243
DB 137886 CTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 137845
```

```
RESULT 14
US-11-112-908-22/c
/ Sequence 22, Application US/11112908
/ Publication No. US20050260659A1
/ GENERAL INFORMATION:
/ APPLICANT: Harris, Cole
/ APPLICANT: Davis, Lisa M.
/ TITLE OF INVENTION: Breast Cancer Biomarkers
/ FILE REFERENCE: 04-164-US
/ CURRENT APPLICATION NUMBER: US/11/112,908
/ CURRENT FILING DATE: 2005-04-22
/ PRIOR APPLICATION NUMBER: US 60/564,758
/ PRIOR FILING DATE: 2004-04-23
/ PRIOR APPLICATION NUMBER: US 60/575,978
/ PRIOR FILING DATE: 2004-06-01
/ PRIOR APPLICATION NUMBER: US 60/631,702
/ PRIOR FILING DATE: 2004-11-30
/ PRIOR APPLICATION NUMBER: US 60/633,826
/ PRIOR FILING DATE: 2004-12-07
/ NUMBER OF SEQ ID NOS: 511
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 22
/ LENGTH: 172147
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-112-908-22
```

```
Query Match      6.2%; Score 31.4; DB 7; Length 172147;
Best Local Similarity 51.0%; Pred. No. 26;
Matches 74; Conservative 0; Mismatches 71; Indels 0; Gaps 0;
```

```
QY 65 TTTTGATGCGCTTAAGTCTCTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 124
DB 156408 TTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTG 156349
QY 125 AATTCACACGATTTTCTATTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 184
DB 156348 CTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 156289
QY 185 TTTCTACGAGCTGCTGATTTTCTAC 209
DB 156288 TTTCTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 156264
```

```
RESULT 15
US-11-112-908-23/c
/ Sequence 23, Application US/11112908
/ Publication No. US20050260659A1
/ GENERAL INFORMATION:
/ APPLICANT: Harris, Cole
/ APPLICANT: Davis, Lisa M.
/ TITLE OF INVENTION: Breast Cancer Biomarkers
/ FILE REFERENCE: 04-164-US
/ CURRENT APPLICATION NUMBER: US/11/112,908
/ CURRENT FILING DATE: 2005-04-22
/ PRIOR APPLICATION NUMBER: US 60/564,758
/ PRIOR FILING DATE: 2004-04-23
/ PRIOR APPLICATION NUMBER: US 60/575,978
/ PRIOR FILING DATE: 2004-06-01
/ PRIOR APPLICATION NUMBER: US 60/631,702
/ PRIOR FILING DATE: 2004-11-30
/ PRIOR APPLICATION NUMBER: US 60/633,826
/ PRIOR FILING DATE: 2004-12-07
/ NUMBER OF SEQ ID NOS: 511
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 23
/ LENGTH: 188682
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-112-908-23
```


GenCore version 5.1.6
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OM nucleic - nucleic search, using SW model

Run on: December 1, 2005, 13:41:11 / Search time 801 Seconds
(without alignments)

5233.852 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506

Sequence: 1 cagaagacacaaaggaagc.....ggttcacacagatgcacac 506

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA Main:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 6: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 8: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	243.4	48.1	812	3	US-09-759-143-471 Sequence 471, App
2	243.4	48.1	812	3	US-09-780-669-471 Sequence 471, App
3	243.4	48.1	812	3	US-09-822-827-471 Sequence 471, App
4	243.4	48.1	812	3	US-09-895-793-471 Sequence 471, App
5	243.4	48.1	812	3	US-09-895-814-471 Sequence 471, App
6	243.4	48.1	812	5	US-10-012-896-471 Sequence 471, App
7	243.4	48.1	812	5	US-10-010-940-471 Sequence 471, App
8	243.4	48.1	812	6	US-10-144-678A-471 Sequence 471, App
9	243.4	48.1	812	6	US-10-294-025-471 Sequence 471, App
10	243.4	48.1	812	6	US-09-957-708-3 Sequence 3, App1
11	243.4	48.1	2037	9	US-10-880-425A-1 Sequence 1, App1
12	243.4	48.1	2229	3	US-09-759-143-469 Sequence 469, App
13	243.4	48.1	2229	3	US-09-780-669-469 Sequence 469, App
14	243.4	48.1	2229	3	US-09-822-827-469 Sequence 469, App
15	243.4	48.1	2229	3	US-09-895-793-469 Sequence 469, App
16	243.4	48.1	2229	3	US-09-895-814-469 Sequence 469, App
17	243.4	48.1	2229	5	US-10-012-896-469 Sequence 469, App
18	243.4	48.1	2229	5	US-10-010-940-469 Sequence 469, App
19	243.4	48.1	2229	6	US-10-144-678A-469 Sequence 469, App
20	243.4	48.1	2229	6	US-10-294-025-469 Sequence 469, App
21	243.4	48.1	2426	3	US-09-759-143-470 Sequence 470, App
22	243.4	48.1	2426	3	US-09-780-669-470 Sequence 470, App
23	243.4	48.1	2426	3	US-09-822-827-470 Sequence 470, App

24	243.4	48.1	2426	3	US-09-895-793-470 Sequence 470, App
25	243.4	48.1	2426	3	US-09-895-814-470 Sequence 470, App
26	243.4	48.1	2426	5	US-10-012-896-470 Sequence 470, App
27	243.4	48.1	2426	5	US-10-010-940-470 Sequence 470, App
28	243.4	48.1	2426	5	US-10-205-823-448 Sequence 448, App
29	243.4	48.1	2426	6	US-10-144-678A-470 Sequence 470, App
30	243.4	48.1	2426	6	US-10-294-025-470 Sequence 470, App
31	243.4	48.1	2426	10	US-11-051-454-448 Sequence 448, App
32	243.4	48.1	3112	3	US-09-759-143-468 Sequence 468, App
33	243.4	48.1	3112	3	US-09-780-669-468 Sequence 468, App
34	243.4	48.1	3112	3	US-09-822-827-468 Sequence 468, App
35	243.4	48.1	3112	3	US-09-895-793-468 Sequence 468, App
36	243.4	48.1	3112	3	US-09-895-814-468 Sequence 468, App
37	243.4	48.1	3112	5	US-10-012-896-468 Sequence 468, App
38	243.4	48.1	3112	5	US-10-010-940-468 Sequence 468, App
39	243.4	48.1	3112	6	US-10-144-678A-468 Sequence 468, App
40	243.4	48.1	3112	6	US-10-294-025-468 Sequence 468, App
41	243.4	48.1	3582	9	US-10-880-425A-2 Sequence 2, App1
42	243.4	48.1	3923	3	US-09-759-143-690 Sequence 690, App
43	243.4	48.1	3923	3	US-09-780-669-690 Sequence 690, App
44	243.4	48.1	3923	3	US-09-822-827-690 Sequence 690, App
45	243.4	48.1	3923	3	US-09-895-793-690 Sequence 690, App

ALIGNMENTS

US-09-759-143-471/c	US-09-759-143-471/c
Sequence 471, Application US/09759143	Sequence 471, Application US/09759143
Patent No. US20020022248A1	Patent No. US20020022248A1
GENERAL INFORMATION:	GENERAL INFORMATION:
APPLICANT: Xu, Jianshun	APPLICANT: Xu, Jianshun
APPLICANT: Dillon, David C.	APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.	APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.	APPLICANT: Harlocker, Susan L.
APPLICANT: Jjiang, Yuqi	APPLICANT: Jjiang, Yuqi
APPLICANT: Henderson, Robert A.	APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.	APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.	APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.	APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.	APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.	APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.	APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Patrick	APPLICANT: Carter, Patrick
APPLICANT: Li, Samuel	APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun	APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yael A.W.	APPLICANT: Skeiky, Yael A.W.
APPLICANT: Hepler, William	APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND	TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C23	FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143	CURRENT APPLICATION NUMBER: US/09/759,143
NUMBER OF SEQ ID NOS: 934	NUMBER OF SEQ ID NOS: 934
SOFTWARE: FASTSEQ for Windows Version 3.0	SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 471	SEQ ID NO 471
LENGTH: 812	LENGTH: 812
TYPE: DNA	TYPE: DNA
ORGANISM: Homo sapiens	ORGANISM: Homo sapiens
US-09-759-143-471	US-09-759-143-471
Query Match	Query Match
Best Local Similarity 99.2% Pred. No. 6.9e-68;	Best Local Similarity 99.2% Pred. No. 6.9e-68;
Matches 255; Conservative	Matches 255; Conservative
1; Indels 1; Gaps 1;	1; Indels 1; Gaps 1;
250 CACAAATCCCTGGGGAATGCGCCGATCTTGGTATCGATAGCGCCGCGC	250 CACAAATCCCTGGGGAATGCGCCGATCTTGGTATCGATAGCGCCGCGC
541 CAGAAATCCCTGGGGAATGCGCCGATCTTGGTATCGATAGCGCCGCGC	541 CAGAAATCCCTGGGGAATGCGCCGATCTTGGTATCGATAGCGCCGCGC
310 TGCCTGTCCTGCTGTGAGGAGACATTGAAATGATGATGCTTAAAGG	310 TGCCTGTCCTGCTGTGAGGAGACATTGAAATGATGATGCTTAAAGG
481 TGCCTGTCCTGCTGTGAGGAGACATTGAAATGATGATGCTTAAAGG	481 TGCCTGTCCTGCTGTGAGGAGACATTGAAATGATGATGCTTAAAGG

OY 370 ATGGCAGAGAAAACAGATCTGTTGATATTTATTTGAACGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAACAGATCTGTTGATATTTATTTGAACGGATTACAGATTGAAA 362
OY 430 TGAAGTCACCAAGATGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 489
DB 361 TGAAGTCA-CAAGTGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 303
OY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 2

US-09-780-669-471/C
Sequence 471, Application US/09780669

Patent No. US20020051977A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Renger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darwick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepier, William
APPLICANT: Hurel, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C24
CURRENT APPLICATION NUMBER: US/09/780,669
CURRENT FILING DATE: 2001-02-09
NUMBER OF SEQ ID NOS: 943
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-780-669-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
OY 250 CACAGATCCCTGGAGAAATGCCGCGCCGATCTTGGTCATCATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCGCGCCGATCTTGGTCATCATGAGCCTCGCCCTG 482
OY 310 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGATGTGTTCTTAAAG 369
DB 481 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGATGTGTTCTTAAAG 422
OY 370 ATGGCAGAGAAAACAGATCTGTTGATATTTATTTGAACGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAACAGATCTGTTGATATTTATTTGAACGGATTACAGATTGAAA 362
OY 430 TGAAGTCACCAAGATGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 489
DB 361 TGAAGTCA-CAAGTGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 303
OY 490 TTCACAGACATGCAAC 506

DB 302 TTCACAGACATGCAAC 286

RESULT 3

US-09-822-827-471/C
Sequence 471, Application US/09822827

Patent No. US20020081680A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Renger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darwick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepier, William T.
APPLICANT: Hurel, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.534C1
CURRENT APPLICATION NUMBER: US/09/822,827
CURRENT FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-822-827-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

OY 250 CACAGATCCCTGGAGAAATGCCGCGCCGATCTTGGTCATCATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCGCGCCGATCTTGGTCATCATGAGCCTCGCCCTG 482
OY 310 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGATGTGTTCTTAAAG 369
DB 481 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGATGTGTTCTTAAAG 422
OY 370 ATGGCAGAGAAAACAGATCTGTTGATATTTATTTGAACGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAACAGATCTGTTGATATTTATTTGAACGGATTACAGATTGAAA 362
OY 430 TGAAGTCACCAAGATGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 489
DB 361 TGAAGTCA-CAAGTGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 303
OY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 4

US-09-895-793-471/C
Sequence 471, Application US/09895793

Patent No. US20020192763A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Kalos, Michael D.
APPLICANT: Renger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darwick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepier, William T.
APPLICANT: Hurel, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.534C1
CURRENT APPLICATION NUMBER: US/09/895,793
CURRENT FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-895-793-471

APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.514C2
CURRENT APPLICATION NUMBER: US/09/895,793
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-895-793-471

Query Match 48.1% Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGTTCATCGATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGTTCATCGATGAGCCTCGCCCTG 482
QY 310 TGCCTGGTCCCGCTTGTAGGGAAGACATTGAAATGAATGATGATGTTCTTAAAG 369
DB 481 TGCCTGGTCCCGCTTGTAGGGAAGACATTGAAATGAATGATGATGTTCTTAAAG 422
QY 370 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 362
QY 430 TGAAGTCAACAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGCG 489
DB 361 TGAAGTCA-CAAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGCG 303
QY 490 TTCACAAGCATGCAC 506
DB 302 TTCACAAGCATGCAC 286

RESULT 5

US-09-895-814-471/c
Sequence 471, Application US/09895814
Publication No. US20020193296A1
GENERAL INFORMATION:

APPLICANT: Xu, Jianshun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedick, Thomas S.
APPLICANT: Carter, Derrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hurai, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Baesols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C26
CURRENT APPLICATION NUMBER: US/09/895,814
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 990

SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-895-814-471

Query Match 48.1% Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGTTCATCGATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGTTCATCGATGAGCCTCGCCCTG 482
QY 310 TGCCTGGTCCCGCTTGTAGGGAAGACATTGAAATGAATGATGATGTTCTTAAAG 369
DB 481 TGCCTGGTCCCGCTTGTAGGGAAGACATTGAAATGAATGATGATGTTCTTAAAG 422
QY 370 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 362
QY 430 TGAAGTCAACAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGCG 489
DB 361 TGAAGTCA-CAAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGCG 303
QY 490 TTCACAAGCATGCAC 506
DB 302 TTCACAAGCATGCAC 286

RESULT 6

US-10-012-896-471/c
Sequence 471, Application US/10012896
Publication No. US20020183251A1
GENERAL INFORMATION:

APPLICANT: Xu, Jianshun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedick, Thomas S.
APPLICANT: Carter, Derrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hurai, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Baesols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Mantanabe, Yoshihiro
APPLICANT: Mesgher, Madeleine Joy
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-10-012-896-471

Query Match 48.1%; Score 243.4; DB 5; Length 812;
 Best Local Similarity 99.2%; Pred. No. 6,9e-68;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATGATGAGCTCGCCCTG 309
 DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATGATGAGCTCGCCCTG 482
 QY 310 TGCCTGTCCCTCTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 369
 DB 481 TGCCTGTCCCTCTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 422
 QY 370 ATGGCAGAGAAAACAGATCTGTGTGATATTTATTGACGGATTCAGATTGAAA 429
 DB 421 ATGGCAGAGAAAACAGATCTGTGTGATATTTATTGACGGATTCAGATTGAAA 362
 QY 430 TGAAGTCAACAAAGTAGAGATTACCAATGAGAGAAAACAGAGAAAATCTTGATGCG 489
 DB 361 TGAAGTCAACAAAGTAGAGATTACCAATGAGAGAAAACAGAGAAAATCTTGATGCG 303
 QY 490 TTCACAAGCATGCAAC 506
 DB 302 TTCACAAGCATGCAAC 286

RESULT 7

US-10-010-940-471/C

/ Sequence 471, Application US/10010940
 / Publication No. US20030088062A1

GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun
 / APPLICANT: Dillon, David C.
 / APPLICANT: Mitcham, Jennifer L.
 / APPLICANT: Harlocker, Susan Louise
 / APPLICANT: Jiang Yugu
 / APPLICANT: Reed, Steven G.
 / APPLICANT: Kalos, Michael
 / APPLICANT: Fanger, Gary
 / APPLICANT: Retter, Mark
 / APPLICANT: Solk, John
 / APPLICANT: Day, Craig
 / TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 / FILE REFERENCE: 210121.427D3
 / CURRENT APPLICATION NUMBER: US/10/010,940
 / NUMBER OF SEQ ID NOS: 575
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ ID NO 471
 / LENGTH: 812
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / US-10-010-940-471

Query Match

Best Local Similarity 98.1%; Score 243.4; DB 5; Length 812;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATGATGAGCTCGCCCTG 309
 DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATGATGAGCTCGCCCTG 482
 QY 310 TGCCTGTCCCTCTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 369
 DB 481 TGCCTGTCCCTCTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 422
 QY 370 ATGGCAGAGAAAACAGATCTGTGTGATATTTATTGACGGATTCAGATTGAAA 429
 DB 421 ATGGCAGAGAAAACAGATCTGTGTGATATTTATTGACGGATTCAGATTGAAA 362
 QY 430 TGAAGTCAACAAAGTAGAGATTACCAATGAGAGAAAACAGAGAAAATCTTGATGCG 489

DB 361 TGAAGTCAACAAAGTAGAGATTACCAATGAGAGAAAACAGAGAAAATCTTGATGCG 303
 QY 490 TTCACAAGCATGCAAC 506
 DB 302 TTCACAAGCATGCAAC 286

RESULT 8

US-10-144-678A-471/C

/ Sequence 471, Application US/10144678A
 / Publication No. US20030157089A1

GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun
 / APPLICANT: Dillon, David C.
 / APPLICANT: Mitcham, Jennifer L.
 / APPLICANT: Harlocker, Susan L.
 / APPLICANT: Jiang, Yugu
 / APPLICANT: Henderson, Robert A.
 / APPLICANT: Kalos, Michael D.
 / APPLICANT: Fanger, Gary R.
 / APPLICANT: Retter, Marc W.
 / APPLICANT: Stolk, John A.
 / APPLICANT: Day, Craig H.
 / APPLICANT: Vedvick, Thomas S.
 / APPLICANT: Carter, Darlick
 / APPLICANT: Li, Samuel X.
 / APPLICANT: Wang, Aljun
 / APPLICANT: Skeiky, Yasir A. W.
 / APPLICANT: Hepler, William T.
 / APPLICANT: Hurst, John
 / APPLICANT: McNeill, Patricia D.
 / APPLICANT: Houghton, Raymond L.
 / APPLICANT: Vinals y de Bassols, Carlota
 / APPLICANT: Foy, Teresa M.
 / APPLICANT: Matanabe, Yoshihiro
 / APPLICANT: Deng, Ta
 / TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 / FILE REFERENCE: 210121.427C28
 / CURRENT APPLICATION NUMBER: US/10/144,678A
 / NUMBER OF SEQ ID NOS: 1033
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ ID NO 471
 / LENGTH: 812
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / US-10-144-678A-471

Query Match

Best Local Similarity 99.2%; Pred. No. 6,9e-68;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATGATGAGCTCGCCCTG 309
 DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATGATGAGCTCGCCCTG 482
 QY 310 TGCCTGTCCCTCTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 369
 DB 481 TGCCTGTCCCTCTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 422
 QY 370 ATGGCAGAGAAAACAGATCTGTGTGATATTTATTGACGGATTCAGATTGAAA 429
 DB 421 ATGGCAGAGAAAACAGATCTGTGTGATATTTATTGACGGATTCAGATTGAAA 362
 QY 430 TGAAGTCAACAAAGTAGAGATTACCAATGAGAGAAAACAGAGAAAATCTTGATGCG 489
 DB 361 TGAAGTCAACAAAGTAGAGATTACCAATGAGAGAAAACAGAGAAAATCTTGATGCG 303
 QY 490 TTCACAAGCATGCAAC 506
 DB 302 TTCACAAGCATGCAAC 286

Query Match	Score	DB	Length
Best Local Similarity	99.2%	Pred. NO.	7.2e-68

QY 250 CACAGATCCCTGGAGAAATGCCCGCGCCCATCTTGGGTCAATCATGACCTCGCCCTG 309

Db 442 CAGAGATCCCTGGAGAAATGCCCGCGCCCATCTTGGGTATCGATAGACCTCGCCCTG 501

QY 310 TGCCTGTGTCCTGGTGTGAGGGAAGACATTAGAAATGCAATTGATGTCTTCTTAAAG 369

Db 502 TGCCCTGGTCCCGCTGTGTAGGGAAGGACATTGAAATGAATTGATGTCTTCTTAAAG 561

QY 370 ATGGCAGGAAACAGATCTCTGTGTGATATTATTTGAACGGGATTTACAGATTGGAA 429

Db 562 ATGGCAGGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 621
Oy 430 TGAAGTCAACAAAGTAGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGAC 489
Db 622 TGAAGTCA-CAAAGTAGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGAC 680
Oy 490 TTCACAGACATGCAAC 506
Db 681 TTCACAGACATGCAAC 697

RESULT 12

US-09-759-143-469/c
Sequence 469, Application US/09759143
Patent No. US2002022248A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stoik, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darlick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yaelir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-759-143-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;

Best Local Similarity 99.2%; Pred. No. 1.2e-67; Indels 1; Gaps 1;
Matches 255; Conservative 0; Mismatches 1;

Oy 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 309
Db 1596 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 1537
Oy 310 TGCCTGTCCCGCTGTGAGGAGACATTAGAAAATGATGATGTCTCTTAAAG 369
Db 1536 TGCCTGTCCCGCTGTGAGGAGACATTAGAAAATGATGATGTCTCTTAAAG 1477
Oy 370 ATGGCAGGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 429
Db 1476 ATGGCAGGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 1417
Oy 430 TGAAGTCAACAAAGTAGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGAC 489
Db 1416 TGAAGTCA-CAAAGTAGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGAC 1358
Oy 490 TTCACAGACATGCAAC 506
Db 1357 TTCACAGACATGCAAC 1341

RESULT 13
US-09-780-669-469/c

Sequence 469, Application US/09780669
Patent No. US20020051977A1

GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stoik, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darlick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yaelir A.W.
APPLICANT: Hepler, William
APPLICANT: Hurel, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C24
CURRENT APPLICATION NUMBER: US/09/780,669
CURRENT FILING DATE: 2001-02-09
NUMBER OF SEQ ID NOS: 943
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-780-669-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;

Best Local Similarity 99.2%; Pred. No. 1.2e-67; Indels 1; Gaps 1;
Matches 255; Conservative 0; Mismatches 1;

Oy 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 309
Db 1596 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 1537
Oy 310 TGCCTGTCCCGCTGTGAGGAGACATTAGAAAATGATGATGTCTCTTAAAG 369
Db 1536 TGCCTGTCCCGCTGTGAGGAGACATTAGAAAATGATGATGTCTCTTAAAG 1477
Oy 370 ATGGCAGGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 429
Db 1476 ATGGCAGGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 1417
Oy 430 TGAAGTCAACAAAGTAGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGAC 489
Db 1416 TGAAGTCA-CAAAGTAGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGAC 1358
Oy 490 TTCACAGACATGCAAC 506
Db 1357 TTCACAGACATGCAAC 1341

RESULT 14

US-09-822-827-469/c
Sequence 469, Application US/09822827
Patent No. US20020081680A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.534C1
CURRENT APPLICATION NUMBER: US/09/822,827
CURRENT FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 982

SOFTWARE: FaSTSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-827-827-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 1.2e-67;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy	250	CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG	309
Db	1596	CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG	1537
Qy	310	TGCTGTGTCCTGGGTGAGGAGACATTAAGAAATGAATGATGTGTTCTTAAAG	369
Db	1536	TGCTGTGTCCTGGGTGAGGAGACATTAAGAAATGAATGATGTGTTCTTAAAG	1477
Qy	370	ATGGGACAGAAAAAGATCCTGTGTGATATTATTGAAACGGATTAAGATTGAA	429
Db	1476	ATGGGACAGAAAAAGATCCTGTGTGATATTATTGAAACGGATTAAGATTGAA	1417
Qy	430	TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAAAGAGAAAAATCTTGATGC	489
Db	1416	TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAAAGAGAAAAATCTTGATGC	1358
Qy	490	TTACACAGACATGCAC 506	
Db	1357	TTACACAGACATGCAC 1341	

RESULT 15

US-09-895-793-469/c

Sequence 469, Application US/09895793

Publication No. US20020192763A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, David C.

APPLICANT: Micham, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Uiang, Yugu

APPLICANT: Kalos, Michael D.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedrick, Thomas S.

APPLICANT: Carter, Darick

APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yaelir A.W.

APPLICANT: Hepier, William T.

APPLICANT: Henderson, Robert A.

APPLICANT: Hural, John

APPLICANT: McNeill, Patricia D.

APPLICANT: Houghton, Raymond L.

APPLICANT: Vinals de Bassols, Carlota

APPLICANT: Foy, Teresa

APPLICANT: Fanger, Gary R.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.5342

CURRENT APPLICATION NUMBER: US/09/895,793

CURRENT FILING DATE: 2001-06-29

NUMBER OF SEQ ID NOS: 982

SOFTWARE: FaSTSeq for Windows Version 3.0

SEQ ID NO 469

LENGTH: 2229

TYPE: DNA

ORGANISM: Homo sapiens

US-09-895-793-469

Query Match

48.1%; Score 243.4; DB 3; Length 2229;

Best Local Similarity 99.2%; Pred. No. 1.2e-67;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy	250	CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG	309
Db	1596	CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG	1537
Qy	310	TGCTGTGTCCTGGGTGAGGAGACATTAAGAAATGAATGATGTGTTCTTAAAG	369
Db	1536	TGCTGTGTCCTGGGTGAGGAGACATTAAGAAATGAATGATGTGTTCTTAAAG	1477
Qy	370	ATGGGACAGAAAAAGATCCTGTGTGATATTATTGAAACGGATTAAGATTGAA	429
Db	1476	ATGGGACAGAAAAAGATCCTGTGTGATATTATTGAAACGGATTAAGATTGAA	1417
Qy	430	TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAAAGAGAAAAATCTTGATGC	489
Db	1416	TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAAAGAGAAAAATCTTGATGC	1358
Qy	490	TTACACAGACATGCAC 506	
Db	1357	TTACACAGACATGCAC 1341	

Search completed: December 1, 2005, 15:55:34
Job time : 803 secs

DB 361 TGAAGTCA-CMAAGTAGCATTCACATGAGAGAAAAACAGAGAAATCTTGATGGC 303
 QY 490 TTCACAGACATGCAAC 506
 DB 302 TTCACAGACATGCAAC 286

RESULT 2 US-09-352-616A-471/c

Sequence 471, Application US/09352616A

Patent No. 6395278

GENERAL INFORMATION:

APPLICANT: Dillon, Davin C.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yugu

APPLICANT: Xu, Jiangchun

APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

FILE REFERENCE: 210121.427C8

CURRENT FILING DATE: US/09/352,616A

NUMBER OF SEQ ID NOS: 472

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 471

LENGTH: 812

TYPE: DNA

ORGANISM: Homo sapiens

US-09-352-616A-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
 Best Local Similarity 99.2%; Pred. No. 2.5e-70;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 309
 DB 541 CAGAGATCCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 482

QY 310 TGCCTGTCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 369
 DB 481 TGCCTGTCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 422

QY 370 ATGGGAGAGAAACAGATCTGTTGGATATTTATTGAACGGATTCACATTTGAAA 429
 DB 421 ATGGGAGAGAAACAGATCTGTTGGATATTTATTGAACGGATTCACATTTGAAA 362

QY 430 TGAAGTCA-CMAAGTAGCATTCACATGAGAGAAAAACAGAGAAATCTTGATGGC 489
 DB 361 TGAAGTCA-CMAAGTAGCATTCACATGAGAGAAAAACAGAGAAATCTTGATGGC 303

QY 490 TTCACAGACATGCAAC 506
 DB 302 TTCACAGACATGCAAC 286

RESULT 3 US-09-636-215-471/c

Sequence 471, Application US/09636215

Patent No. 6620922

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Jjiang, Yugu

APPLICANT: Henderson, Robert A.

APPLICANT: Kaloos, Michael D.

APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yaelir A.W.
 APPLICANT: Hepler, William
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 FILE REFERENCE: 210121.427C17
 CURRENT FILING DATE: US/09/636,215

NUMBER OF SEQ ID NOS: 852

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 471

LENGTH: 812

TYPE: DNA

ORGANISM: Homo sapiens

US-09-636-215-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
 Best Local Similarity 99.2%; Pred. No. 2.5e-70;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 309
 DB 541 CAGAGATCCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 482

QY 310 TGCCTGTCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 369
 DB 481 TGCCTGTCCTGGGAGAAATGCCGCGCATCTTGAGTCATGAGCCTCGCCCTG 422

QY 370 ATGGGAGAGAAACAGATCTGTTGGATATTTATTGAACGGATTCACATTTGAAA 429
 DB 421 ATGGGAGAGAAACAGATCTGTTGGATATTTATTGAACGGATTCACATTTGAAA 362

QY 430 TGAAGTCA-CMAAGTAGCATTCACATGAGAGAAAAACAGAGAAATCTTGATGGC 489
 DB 361 TGAAGTCA-CMAAGTAGCATTCACATGAGAGAAAAACAGAGAAATCTTGATGGC 303

QY 490 TTCACAGACATGCAAC 506
 DB 302 TTCACAGACATGCAAC 286

RESULT 4 US-09-685-166A-471/c

Sequence 471, Application US/09685166A

Patent No. 6630305

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Jjiang, Yugu

APPLICANT: Henderson, Robert A.

APPLICANT: Kaloos, Michael D.

APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: Li, Samuel

APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yaelir A.W.

APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C21

CURRENT FILING DATE: US/09/685,166A

NUMBER OF SEQ ID NOS: 898

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 471

LENGTH: 812

DB 302 TTCACAGACATGCAAC 286

RESULT 7

US-09-651-236-471/c

/ Sequence 471, Application US/09651236

/ Patent No. 6818751

/ GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun

/ APPLICANT: Dillon, Davin C.

/ APPLICANT: Mitcham, Jennifer L.

/ APPLICANT: Harlocker, Susan L.

/ APPLICANT: Jiang, Yugu

/ APPLICANT: Henderson, Robert A.

/ APPLICANT: Kalos, Michael D.

/ APPLICANT: Fanger, Gary R.

/ APPLICANT: Retter, Marc W.

/ APPLICANT: Stolck, John A.

/ APPLICANT: Day, Craig H.

/ APPLICANT: Vedvick, Thomas S.

/ APPLICANT: Carter, Darick

/ APPLICANT: Li, Samuel

/ APPLICANT: Wang, Aijun

/ APPLICANT: Skelky, Yasir A.W.

/ APPLICANT: Hepler, William

/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

/ FILE REFERENCE: 210121.42718C19

/ CURRENT APPLICATION NUMBER: US/09/651.236

/ NUMBER OF SEQ ID NOS: 865

/ SOFTWARE: FastSeq for Windows Version 3.0

/ SEQ ID NO 471

/ LENGTH: 812

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-651-236-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;

Best Local Similarity 99.2%; Pred. No. 2.5e-70;

Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

DB 250 CACAGATCCCTGGGAGAAATGCCCGCCGATCTTGGGTCATCGATGACCTCGCCCTG 309

DB 541 CAGAGATCCCTGGGAGAAATGCCCGCCGATCTTGGGTCATCGATGACCTCGCCCTG 482

DB 310 TGCCTGTCCCGCTTGTGAGGAGGACATTAGAAAATGAATTGATGTCTCTTAAGG 369

DB 481 TGCCTGTCCCGCTTGTGAGGAGGACATTAGAAAATGAATTGATGTCTCTTAAGG 422

DB 370 ATGGGAGGAAAACAGATCCTGTGTGATATTTATTGAACGGATTACAGATTTGAA 429

DB 421 ATGGGAGGAAAACAGATCCTGTGTGATATTTATTGAACGGATTACAGATTTGAA 362

DB 430 TGAAGTCACCAAGTGACCTTACCAATGAGAGAAAACGAGAGAAAATCTTGATGCG 489

DB 361 TGAAGTCA-CAAAGTGACCTTACCAATGAGAGAAAACGAGAGAAAATCTTGATGCG 303

DB 490 TTCACAAGACATGCAAC 506

DB 302 TTCACAAGACATGCAAC 286

RESULT 8

US-09-657-279-471/c

/ Sequence 471, Application US/09657279

/ Patent No. 6894146

/ GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun

/ APPLICANT: Dillon, Davin C.

/ APPLICANT: Mitcham, Jennifer L.

/ APPLICANT: Harlocker, Susan L.

/ APPLICANT: Jiang, Yugu

/ APPLICANT: Henderson, Robert A.

/ APPLICANT: Kalos, Michael D.

/ APPLICANT: Fanger, Gary R.

/ APPLICANT: Retter, Marc W.

/ APPLICANT: Stolck, John A.

/ APPLICANT: Day, Craig H.

/ APPLICANT: Vedvick, Thomas S.

/ APPLICANT: Carter, Darick

/ APPLICANT: Li, Samuel

/ APPLICANT: Wang, Aijun

/ APPLICANT: Skelky, Yasir A.W.

/ APPLICANT: Hepler, William

/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

/ FILE REFERENCE: 210121.427C19

/ CURRENT APPLICATION NUMBER: US/09/657,279

/ NUMBER OF SEQ ID NOS: 877

/ SOFTWARE: FastSeq for Windows Version 3.0

/ SEQ ID NO 471

/ LENGTH: 812

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-657-279-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;

Best Local Similarity 99.2%; Pred. No. 2.5e-70;

Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

DB 250 CACAGATCCCTGGGAGAAATGCCCGCCGATCTTGGGTCATCGATGACCTCGCCCTG 309

DB 541 CAGAGATCCCTGGGAGAAATGCCCGCCGATCTTGGGTCATCGATGACCTCGCCCTG 482

DB 310 TGCCTGTCCCGCTTGTGAGGAGGACATTAGAAAATGAATTGATGTCTCTTAAGG 369

DB 481 TGCCTGTCCCGCTTGTGAGGAGGACATTAGAAAATGAATTGATGTCTCTTAAGG 422

DB 370 ATGGGAGGAAAACAGATCCTGTGTGATATTTATTGAACGGATTACAGATTTGAA 429

DB 421 ATGGGAGGAAAACAGATCCTGTGTGATATTTATTGAACGGATTACAGATTTGAA 362

DB 430 TGAAGTCACCAAGTGACCTTACCAATGAGAGAAAACGAGAGAAAATCTTGATGCG 489

DB 361 TGAAGTCA-CAAAGTGACCTTACCAATGAGAGAAAACGAGAGAAAATCTTGATGCG 303

DB 490 TTCACAAGACATGCAAC 506

DB 302 TTCACAAGACATGCAAC 286

RESULT 9

US-10-012-896-471/c

/ Sequence 471, Application US/10012896

/ Patent No. 6943236

/ GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun

/ APPLICANT: Dillon, Davin C.

/ APPLICANT: Mitcham, Jennifer L.

/ APPLICANT: Harlocker, Susan L.

/ APPLICANT: Jiang, Yugu

/ APPLICANT: Kalos, Michael D.

/ APPLICANT: Retter, Marc W.

/ APPLICANT: Stolck, John A.

/ APPLICANT: Day, Craig H.

/ APPLICANT: Vedvick, Thomas S.

/ APPLICANT: Carter, Darick

/ APPLICANT: Li, Samuel X.

/ APPLICANT: Wang, Aijun

/ APPLICANT: Skelky, Yasir A.W.

/ APPLICANT: Hepler, William T.

/ APPLICANT: Henderson, Robert A.

/ APPLICANT: Hural, John

/ APPLICANT: McNeill, Patricia D.

APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Baesols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Mantanabe, Yoshihiro
APPLICANT: Mesgher, Madeleine Joy
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-10-013-896-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCGCGCCATCTTGGGATCGATGAGCCCTGCGCTG 309
DB 541 CAGAGATCCCTGGGAGAAATGCGCGCCATCTTGGGATCGATGAGCCCTGCGCTG 482
QY 310 TGCCTGTCCTGCTGTGAGGAGGACATTAAGAAATGATGATGTTCTTAAAG 369
DB 481 TGCCTGTCCTGCTGTGAGGAGGACATTAAGAAATGATGATGTTCTTAAAG 422
QY 370 ATGGCAGAGAAACAGATCTGTTGATATTATTGAGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCTGTTGATATTATTGAGGGATTACAGATTGAAA 362
QY 430 TGAAGTCACCAAGTAGCATTAACCAATGAGAGAAACAGAGAAATCTTGATGCG 489
DB 361 TGAAGTCACCAAGTAGCATTAACCAATGAGAGAAACAGAGAAATCTTGATGCG 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 10
US-09-439-313-469/c
Sequence 469, Application US/09439313
Patent No. 6329505

GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yuqi
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Reiter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-439-313-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCGCGCCATCTTGGGATCGATGAGCCCTGCGCTG 309
DB 1596 CAGAGATCCCTGGGAGAAATGCGCGCCATCTTGGGATCGATGAGCCCTGCGCTG 1537
QY 310 TGCCTGTCCTGCTGTGAGGAGGACATTAAGAAATGATGATGTTCTTAAAG 369
DB 1536 TGCCTGTCCTGCTGTGAGGAGGACATTAAGAAATGATGATGTTCTTAAAG 1477
QY 370 ATGGCAGAGAAACAGATCTGTTGATATTATTGAGGGATTACAGATTGAAA 429
DB 1476 ATGGCAGAGAAACAGATCTGTTGATATTATTGAGGGATTACAGATTGAAA 1417
QY 430 TGAAGTCACCAAGTAGCATTAACCAATGAGAGAAACAGAGAAATCTTGATGCG 489
DB 1416 TGAAGTCACCAAGTAGCATTAACCAATGAGAGAAACAGAGAAATCTTGATGCG 1358
QY 490 TTCACAGACATGCAAC 506
DB 1357 TTCACAGACATGCAAC 1341

RESULT 11
US-09-352-616A-469/c
Sequence 469, Application US/09352616A
Patent No. 6395278

GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yuqi
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-352-616A-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCGCGCCATCTTGGGATCGATGAGCCCTGCGCTG 309
DB 1596 CAGAGATCCCTGGGAGAAATGCGCGCCATCTTGGGATCGATGAGCCCTGCGCTG 1537
QY 310 TGCCTGTCCTGCTGTGAGGAGGACATTAAGAAATGATGATGTTCTTAAAG 369
DB 1536 TGCCTGTCCTGCTGTGAGGAGGACATTAAGAAATGATGATGTTCTTAAAG 1477
QY 370 ATGGCAGAGAAACAGATCTGTTGATATTATTGAGGGATTACAGATTGAAA 429
DB 1476 ATGGCAGAGAAACAGATCTGTTGATATTATTGAGGGATTACAGATTGAAA 1417
QY 430 TGAAGTCACCAAGTAGCATTAACCAATGAGAGAAACAGAGAAATCTTGATGCG 489
DB 1416 TGAAGTCACCAAGTAGCATTAACCAATGAGAGAAACAGAGAAATCTTGATGCG 1358
QY 490 TTCACAGACATGCAAC 506
DB 1357 TTCACAGACATGCAAC 1341

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RESULT 12
US-09-636-215-469/C
Sequence 469, Application US/09636215
Patent No. 6620922
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kaloos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darriek
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.42717C17
CURRENT APPLICATION NUMBER: US/09/636,215
CURRENT FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 852
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-636-215-469

Query Match      48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY      250 CACAGATCCCTGGAGAAATGCCGCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTG 309
DB      1596 CAGAGATCCCTGGAGAAATGCCGCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTG 1537

QY      310 TGCCTGTCCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTTAAAG 369
DB      1536 TGCCTGTCCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTTAAAG 1477

QY      370 ATGGGCAAGAAAACAGATCTGTGTGATATTATTGAAACGGATACAGATTGAAA 429
DB      1476 ATGGGCAAGAAAACAGATCTGTGTGATATTATTGAAACGGATACAGATTGAAA 1417

QY      430 TGAAGTACCAAGTGAAGTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGC 489
DB      1416 TGAAGTCA-CAAGTGAAGTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGC 1358

QY      490 TTCACAAGACATGCAAC 506
DB      1357 TTCACAAGACATGCAAC 1341

RESULT 13
US-09-685-166A-469/C
Sequence 469, Application US/09685166A
Patent No. 6630305
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kaloos, Michael D.
APPLICANT: Fanger, Gary R.

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APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darriek
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C21
CURRENT APPLICATION NUMBER: US/09/685,166A
CURRENT FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 898
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-685-166A-469

Query Match      48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY      250 CACAGATCCCTGGAGAAATGCCGCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTG 309
DB      1596 CAGAGATCCCTGGAGAAATGCCGCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTG 1537

QY      310 TGCCTGTCCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTTAAAG 369
DB      1536 TGCCTGTCCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTTAAAG 1477

QY      370 ATGGGCAAGAAAACAGATCTGTGTGATATTATTGAAACGGATTAACAGATTGAAA 429
DB      1476 ATGGGCAAGAAAACAGATCTGTGTGATATTATTGAAACGGATTAACAGATTGAAA 1417

QY      430 TGAAGTACCAAGTGAAGTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGC 489
DB      1416 TGAAGTCA-CAAGTGAAGTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGC 1358

QY      490 TTCACAAGACATGCAAC 506
DB      1357 TTCACAAGACATGCAAC 1341

RESULT 14
US-09-679-426-469/C
Sequence 469, Application US/09679426
Patent No. 6759515
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kaloos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darriek
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C20
CURRENT APPLICATION NUMBER: US/09/679,426

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/ CURRENT FILING DATE: 2000-10-02
 / NUMBER OF SEQ ID NOS: 895
 / SOFTWARE: FASTSEQ for Windows Version 3.0
 / SEQ ID NO 469
 / LENGTH: 2229
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 US-09-679-426-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
 Best Local Similarity 99.2%; Pred. No. 4,4e-70;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGAGCTCGCCCTG 309
 DB 1596 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGAGCTCGCCCTG 1537
 QY 310 TGCCGTGTCCTGCTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 369
 DB 1536 TGCCGTGTCCTGCTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 1477
 QY 370 ATGGCAGAGAAACAGATCCTGTTGTGATATTTTGAACGGGATTCAGATTGAAA 429
 DB 1476 ATGGCAGAGAAACAGATCCTGTTGTGATATTTTGAACGGGATTCAGATTGAAA 1417
 QY 430 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAGAAAACAGACGAGAAAATCTTGATGCG 489
 DB 1416 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAGAAAACAGACGAGAAAATCTTGATGCG 1358
 QY 490 TTCACAGACATGCAC 506
 DB 1357 TTCACAGACATGCAC 1341

RESULT 15

US-09-759-143-469/C
 / Sequence 469, Application US/09759143
 / Patent No. 6800746

GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun
 / APPLICANT: Dillon, Davin C.
 / APPLICANT: Mitcham, Jennifer L.
 / APPLICANT: Harlocker, Susan L.
 / APPLICANT: Jiang, Yugu
 / APPLICANT: Henderson, Robert A.
 / APPLICANT: Kalos, Michael D.
 / APPLICANT: Fanger, Gary R.
 / APPLICANT: Reiter, Marc W.
 / APPLICANT: Stolk, John A.
 / APPLICANT: Day, Craig H.
 / APPLICANT: Vedvick, Thomas S.
 / APPLICANT: Carter, Darrick
 / APPLICANT: Li, Samuel
 / APPLICANT: Wang, Aijun
 / APPLICANT: Skeiky, Yabir A.W.
 / APPLICANT: Hepler, William
 / TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 / TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 / FILE REFERENCE: 210121.427C23
 / CURRENT APPLICATION NUMBER: US/09/759,143
 / NUMBER OF SEQ ID NOS: 934
 / CURRENT FILING DATE: 2001-01-12
 / SOFTWARE: FASTSEQ for Windows Version 3.0
 / SEQ ID NO 469
 / LENGTH: 2229
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 US-09-759-143-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
 Best Local Similarity 99.2%; Pred. No. 4,4e-70;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGAGCTCGCCCTG 309
 DB 1596 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGAGCTCGCCCTG 1537
 QY 310 TGCCGTGTCCTGCTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 369
 DB 1536 TGCCGTGTCCTGCTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 1477
 QY 370 ATGGCAGAGAAACAGATCCTGTTGTGATATTTTGAACGGGATTCAGATTGAAA 429
 DB 1476 ATGGCAGAGAAACAGATCCTGTTGTGATATTTTGAACGGGATTCAGATTGAAA 1417
 QY 430 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAGAAAACAGACGAGAAAATCTTGATGCG 489
 DB 1416 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAGAAAACAGACGAGAAAATCTTGATGCG 1358
 QY 490 TTCACAGACATGCAC 506
 DB 1357 TTCACAGACATGCAC 1341

Search completed: December 1, 2005, 13:47:44
 Job time : 157 secs

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OM nucleic - nucleic search, using sw model

Run on: December 1, 2005, 13:47:53 ; Search time 155 Seconds
(without alignment)
5802.879 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506
Sequence: 1 cagaagacacacaaaggaagc.....ggcttcacacagacatgcac 506

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1289296

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA:*

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- 2: /cgn2_6/pdata/1/ina/5_COMB.seq:*
- 3: /cgn2_6/pdata/1/ina/6A_COMB.seq:*
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- 9: /cgn2_6/pdata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22.6	4.5	47	3	US-09-671-317-711 Sequence 711, App
2	21	4.2	47	3	US-09-422-978-66 Sequence 66, Appl
3	20.6	4.1	50	3	US-10-131-827-7842 Sequence 7842, Ap
4	20.2	4.0	48	2	US-08-853-217-24 Sequence 24, Appl
5	20.2	4.0	48	3	US-09-636-735A-6 Sequence 6, Appl
6	19.8	3.9	47	3	US-09-422-978-337 Sequence 337, App
7	19.8	3.9	48	2	US-08-317-102-1 Sequence 1, Appl
8	19.8	3.9	48	2	US-08-317-102-2 Sequence 2, Appl
9	19.8	3.9	50	3	US-10-131-827-7174 Sequence 7174, Ap
10	19.6	3.9	47	3	US-09-422-978-3643 Sequence 3643, Ap
11	19.4	3.8	50	3	US-09-390-867A-33 Sequence 33, Appl
12	19.4	3.8	50	3	US-09-548-260-33 Sequence 33, Appl
13	19.4	3.8	50	3	US-10-131-827-5392 Sequence 5392, Ap
14	19.2	3.8	25	3	US-09-396-1966-121545 Sequence 121545,
15	19.2	3.8	50	3	US-10-131-827-6233 Sequence 6233, Ap
16	19.2	3.8	50	3	US-10-131-827-6377 Sequence 6377, Ap
17	19	3.8	50	3	US-09-367-293-12 Sequence 12, Appl
18	18.8	3.7	34	3	US-09-622-773-161 Sequence 161, App
19	18.8	3.7	39	3	US-09-358-972-233 Sequence 233, App
20	18.8	3.7	42	3	US-09-358-972-235 Sequence 235, App
21	18.8	3.7	42	3	US-09-430-615-23 Sequence 23, Appl
22	18.8	3.7	42	3	US-09-430-615-25 Sequence 25, Appl
23	18.8	3.7	42	3	US-09-790-417-233 Sequence 233, App
24	18.8	3.7	42	3	US-09-790-417-233 Sequence 233, App

C 25	18.8	3.7	42	3	US-09-790-417-235	Sequence 235, App
C 26	18.8	3.7	47	3	US-09-671-317-646	Sequence 646, App
C 27	18.8	3.7	47	3	US-09-422-978-657	Sequence 657, App
C 28	18.8	3.7	50	3	US-10-131-827-6141	Sequence 6141, Ap
C 29	18.8	3.7	50	3	US-10-131-827-6198	Sequence 6198, Ap
C 30	18.8	3.7	50	3	US-10-131-827-6229	Sequence 6229, Ap
C 31	18.8	3.7	50	3	US-10-131-827-6370	Sequence 6370, Ap
C 32	18.6	3.7	44	6	PCT-US94-10617-17	Sequence 17, Appl
C 33	18.6	3.7	45	2	US-08-171-389-322	Sequence 322, App
C 34	18.6	3.7	45	2	US-08-123-936-322	Sequence 322, App
C 35	18.6	3.7	45	2	US-08-475-228A-322	Sequence 322, App
C 36	18.6	3.7	45	3	US-08-482-080A-322	Sequence 322, App
C 37	18.6	3.7	45	3	US-09-354-947-322	Sequence 322, App
C 38	18.6	3.7	45	3	US-09-993-346-322	Sequence 322, App
C 39	18.6	3.7	45	6	PCT-US93-12388-322	Sequence 322, App
C 40	18.6	3.7	47	3	US-09-671-317-964	Sequence 964, App
C 41	18.6	3.7	47	3	US-09-422-978-1581	Sequence 1581, Ap
C 42	18.6	3.7	50	2	US-08-420-443-2	Sequence 2, Appl
C 43	18.4	3.6	37	3	US-08-853-217-25	Sequence 25, Appl
C 44	18.4	3.6	37	3	US-09-326-157-9	Sequence 9, Appl
C 45	18.4	3.6	37	3	US-09-326-157-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-671-317-711
Sequence 711, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bougueleret, Lydie
APPLICANT: Cohen, Amick
FILE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62. US. CIP
CURRENT APPLICATION NUMBER: US/09/671,317
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 09/536,178
PRIOR FILING DATE: 2000-03-23
PRIOR APPLICATION NUMBER: PCT/IB00/00403
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 60/126,269
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/131,961
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 711
LENGTH: 47
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 24
OTHER INFORMATION: 12-504-428 : polymorphic base G or C
US-09-671-317-711
Query Match
Best Local Similarity 4.5%; Score 22.6; DB 3; Length 47;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
Qy 62 AAATTTTATGCTTAAAGTTCCTCTACTCTCTTCT 98
Db 3 AAGTTTATGCTTAAAGTTCCTCTACTCTCTTCT 39
RESULT 2
US-09-422-978-66/c
Sequence 66, Application US/09422978
Patent No. 6531751
GENERAL INFORMATION:

```
/ APPLICANT: Cohen, Daniel
/ APPLICANT: Blumenfeld, Marra
/ APPLICANT: Chumakov, Ilya
/ TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
/ FILE REFERENCE: GENSET.020CP1
/ CURRENT APPLICATION NUMBER: US/09/422,978
/ EARLIER FILING DATE: 1999-10-20
/ EARLIER APPLICATION NUMBER: US 09/298,850
/ EARLIER FILING DATE: 1999-04-21
/ EARLIER APPLICATION NUMBER: US 60/109,732
/ EARLIER FILING DATE: 1998-11-23
/ EARLIER APPLICATION NUMBER: US 60/082,614
/ EARLIER FILING DATE: 1998-04-21
/ NUMBER OF SEQ ID NOS: 11796
/ SEQ ID NO 66
/ LENGTH: 47
/ TYPE: DNA
/ ORGANISM: Homo Sapiens
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 24
/ OTHER INFORMATION: 99-12652-459 : polymorphic base A or G
US-09-422-978-66

Query Match          4.2%; Score 21; DB 3; Length 47;
Best Local Similarity 63.8%; Pred. No. 3.8e+03;
Matches 30; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

QY 42 AGCAGTCATTTCTACTCGAATAATTTTGATGCCCTTAAGTCTCT 88
DB 47 AGGTTCAGTTTCCACAGAGTTTCTTAAAGGCTGTGAGTTCTCT 1

RESULT 3
US-10-131-827-7842/c
/ Sequence 7842, Application US/10131827
/ Patent No. 6905827
/ GENERAL INFORMATION:
/ APPLICANT: Mohlgemuth, Jay
/ APPLICANT: Fry, Kirk
/ APPLICANT: Woodward, Robert
/ APPLICANT: Ly, Ngoc
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
/ FILE REFERENCE: 50612000120
/ CURRENT APPLICATION NUMBER: US/10/131,827
/ CURRENT FILING DATE: 2002-09-06
/ PRIOR APPLICATION NUMBER: US 10/006,290
/ PRIOR FILING DATE: 2001-10-22
/ PRIOR APPLICATION NUMBER: US 60/296,764
/ PRIOR FILING DATE: 2001-06-08
/ NUMBER OF SEQ ID NOS: 9090
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 7842
/ LENGTH: 50
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-131-827-7842

Query Match          4.1%; Score 20.6; DB 3; Length 50;
Best Local Similarity 67.4%; Pred. No. 5.4e+03;
Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 265 GAATGCCGCGCGCATCTTGATCATGATGAGCCTGCGCC 307
DB 45 GAAGTGCCACCCACCATCTTGAGAGCTCTGTAGAGAGACC 3

RESULT 4
US-08-853-217-24
/ Sequence 24, Application US/08853217
/ Patent No. 5942395
/ GENERAL INFORMATION:
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/ APPLICANT: Fournier, Maurille J.
/ APPLICANT: Samarsky, Dmitry A.
/ APPLICANT: Feybreyre, Gerardo
/ APPLICANT: Cedergren, Robert
/ TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE
/ NUMBER OF SEQUENCES: 33
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Fish & Richardson P.C.
/ STREET: 225 Franklin Street
/ CITY: Boston
/ STATE: MA
/ COUNTRY: US
/ ZIP: 02110-2804
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: Windows95
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/853,217
/ FILING DATE: 09-MAY-1997
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Fasse, Peter J.
/ REGISTRATION NUMBER: 32,983
/ REFERENCE/DOCKET NUMBER: 07880/034001
/ TELEPHONE: 617/542-5070
/ TELEFAX: 617/542-8906
/ TELEX: 200154
/ INFORMATION FOR SEQ ID NO: 24:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 48 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
US-08-853-217-24

Query Match          4.0%; Score 20.2; DB 2; Length 48;
Best Local Similarity 68.3%; Pred. No. 7.1e+03;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 460 GAGGAAAACAGACGAGAAATCTTGATGAGCTTCACAGACA 500
DB 1 GTGAGAAACCGCGCGCATGATCTTGAATGGGTCAATGGCA 41

RESULT 5
US-09-636-735A-6
/ Sequence 6, Application US/09636735A
/ Patent No. 6416956
/ GENERAL INFORMATION:
/ APPLICANT: Berg, Patricia
/ TITLE OF INVENTION: No. 6416956e1 Transcription Factor, BPI
/ FILE REFERENCE: 179.37405X00
/ CURRENT APPLICATION NUMBER: US/09/636,735A
/ CURRENT FILING DATE: 2000-08-11
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 6
/ LENGTH: 48
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(48)
/ OTHER INFORMATION: synthesized oligonucleotide
US-09-636-735A-6
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Db 45 TCGAGATTTTGTAGTACCGGATCACCTTGTAAAGGAGCGAGC 1

RESULT 13

US-10-131-827-5392/c
 ; Sequence 5392, Application US/10131827
 ; Patent No. 6905827
 ; GENERAL INFORMATION:
 ; APPLICANT: Wohlgemuth, Jay
 ; APPLICANT: Fry, Kirk
 ; APPLICANT: Woodward, Robert
 ; APPLICANT: Ly, Ngoc
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
 ; FILE REFERENCE: 506612000120
 ; CURRENT APPLICATION NUMBER: US/10/131,827
 ; CURRENT FILING DATE: 2002-09-06
 ; PRIOR APPLICATION NUMBER: US 10/006,290
 ; PRIOR FILING DATE: 2001-10-22
 ; PRIOR APPLICATION NUMBER: US 60/296,764
 ; PRIOR FILING DATE: 2001-06-08
 ; NUMBER OF SEQ ID NOS: 9090
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 5392
 ; LENGTH: 50
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-131-827-5392

Query Match

Best Local Similarity 3.8%; Score 19.4; DB 3; Length 50;
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 363 TTTAAGATGGCGAGGAAAACAGATCTGT 391
 DB 38 TTTAAGCTGGGAGGGAACAGATCTGT 10

RESULT 14

US-09-396-196G-121545/c
 ; Sequence 121545, Application US/09396196G
 ; Patent No. 6821724
 ; GENERAL INFORMATION:
 ; APPLICANT: Michael Miltmann
 ; APPLICANT: David Mack
 ; APPLICANT: David Lockhart
 ; APPLICANT: Affymetrix, Inc.
 ; TITLE OF INVENTION: Methods of Genetic Analysis
 ; FILE REFERENCE: 3101.1
 ; CURRENT APPLICATION NUMBER: US/09/396,196G
 ; CURRENT FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: 60/100,678
 ; PRIOR FILING DATE: 1998-09-17
 ; NUMBER OF SEQ ID NOS: 127806
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 121545
 ; LENGTH: 25
 ; TYPE: DNA
 ; ORGANISM: mus musculus
 US-09-396-196G-121545

Query Match

Best Local Similarity 3.8%; Score 19.2; DB 3; Length 25;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 369 GATGGCGAGGAAAACAGATCTGT 392
 DB 25 GAGGCTCAGGAAAAGAGATCTGT 2

RESULT 15
 US-10-131-827-1279/c

; Sequence 1279, Application US/10131827

; Patent No. 6905827
 ; GENERAL INFORMATION:
 ; APPLICANT: Wohlgemuth, Jay
 ; APPLICANT: Fry, Kirk
 ; APPLICANT: Woodward, Robert
 ; APPLICANT: Ly, Ngoc
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
 ; FILE REFERENCE: 506612000120
 ; CURRENT APPLICATION NUMBER: US/10/131,827
 ; CURRENT FILING DATE: 2002-09-06
 ; PRIOR APPLICATION NUMBER: US 10/006,290
 ; PRIOR FILING DATE: 2001-10-22
 ; PRIOR APPLICATION NUMBER: US 60/296,764
 ; PRIOR FILING DATE: 2001-06-08
 ; NUMBER OF SEQ ID NOS: 9090
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 1279
 ; LENGTH: 50
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-131-827-1279

Query Match

Best Local Similarity 3.8%; Score 19.2; DB 3; Length 50;
 Matches 30; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 107 TACTACTGTCCTCCCGAATCCATACCGATTTCTATTCTTGCT 154
 DB 48 TCTCTCTCATCTCTTGATTCGTACCGGTTTACATCTCTGCTT 1

Search completed: December 1, 2005, 16:02:22
 Job time : 156 secs